STR-DA1200ES

SERVICE MANUAL

AEP Model
UK Model

Ver. 1.1 2006.12

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

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SPECIFICATIONS

Amplifier section

POWER OUTPUT

Rated Power Output at Stereo Mode[1) 2)]
(8 ohms 1 kHz, THD 0.7%):
105 W + 105 W

Rated Power Output at Stereo Mode[2)]
(4 ohms 1 kHz, THD 0.7%):
105 W + 105 W

Reference Power Output
(8 ohms 20 Hz – 20 kHz, THD 0.09%)
FRONT[2)]:
100 W + 100 W
CENTER[2)]:
100 W
SURROUND[2)]:
100 W + 100 W
SURROUND BACK[2)]:
100 W + 100 W

Reference Power Output
(4 ohms 20 Hz – 20 kHz, THD 0.15%)
FRONT[2)]:
100 W + 100 W
CENTER[2)]:
100 W
SURROUND[2)]:
100 W + 100 W
SURROUND BACK[2)]:
100 W + 100 W

Reference Power Output at Stereo Mode[1) 2)]
(8 ohms 1 kHz, THD 10%):
130 W + 130 W

Reference Power Output at Stereo Mode[2)]
(4 ohms 1 kHz, THD 10%):
130 W + 130 W

Reference Power Output
(8 ohms 1 kHz, THD 10%)
FRONT[2)]:
130 W + 130 W
CENTER[2)]:
130 W
SURROUND[2)]:
130 W + 130 W
SURROUND BACK[2)]:
130 W + 130 W

Reference Power Output
(4 ohms 1 kHz, THD 10%)
FRONT[2)]:
130 W + 130 W
CENTER[2)]:
130 W
SURROUND[2)]:
130 W + 130 W
SURROUND BACK[2)]:
130 W + 130 W

[1)] Depending on the sound field settings and the source, there may be no sound output.
[2)] Measured under the following conditions:
Power requirements: 230 V AC, 50/60 Hz
(in countries/areas in Europe other than the UK)
240 V AC, 50/60 Hz
(in the UK and general area)

Frequency response

PHONO	RIAA equalization curve ± 0.5 dB
MULTI CHANNEL INPUT, SA-CD/CD, MD/TAPE, DVD, VIDEO 1/2/3	10 Hz – 100 kHz ± 3 dB

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 kohms S/N: 86 dB (A, 20 kHz LPF)
MULTI CHANNEL INPUT, SA-CD/CD, MD/TAPE, DVD, TV/SAT, VIDEO1/2/3	Sensitivity: 150 mV Impedance: 50 kohms S/N: 96 dB (A, 20 kHz LPF)

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-344-02
2006L05-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY

Inputs (Digital)

DVD, SA-CD/CD (Coaxial)	Impedance: 75 ohms S/N: 96 dB (A, 20 kHz LPF)
VIDEO 1/3, TV/SAT, MD/TAPE (Optical)	S/N: 96 dB (A, 20 kHz LPF)

Outputs

MD/TAPE, VIDEO1/2 (AUDIO OUT)	Voltage:150 mV Impedance: 1 kohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	Voltage: 2 V Impedance: 1 kohms

EQUALIZER

Gain levels	±10 dB, 1 dB step

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna (aerial)	FM wire antenna (aerial)
Antenna (aerial) terminals	75 ohms, unbalanced
Sensitivity	
Mono:	18.3 dBf, 2.2 µV/75 ohms
Stereo:	38.3 dBf, 22.5 µV/75 ohms
Usable sensitivity	11.2 dBf, 1 µV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/–2 dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	531 – 1,602 kHz (With 9-kHz tuning scale)
Antenna (aerial)	Loop antenna (aerial)
Usable sensitivity	50 dB µ/m (at 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	35 dB

Video section

Inputs/Outputs

Video:	1 Vp-p, 75 ohms
S video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms P_B/C_B: 0.7 Vp-p, 75 ohms P_R/C_R: 0.7 Vp-p, 75 ohms 80 MHz HD Pass Through

General

Power requirements	230 V AC, 50/60 Hz (in countries/areas in Europe other than the UK) 240 V AC, 50/60 Hz (in the UK and general area)
Power consumption	440 W
Power consumption (during standby mode)	1 W
AC outlets	1 switched, 100 W/0.4A MAX (Models for countries/areas in Europe other than the UK)
Dimensions	430 × 175 × 430 mm including projecting parts and controls
Mass (Approx.)	15 kg

Supplied accessories

Operating Instructions (this manual)
Quick Setup Guide (1)
Optimizer microphone ECM-AC2 (1)
FM wire antenna (aerial) (1)
AM loop antenna (aerial) (1)
AC power cord (mains lead) (1)
Remote commander RM-AAP015 (1)
R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SECTION 1
SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –

Model	PART No.
AEP model	2-668-097-0□
UK model	2-668-097-1□

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

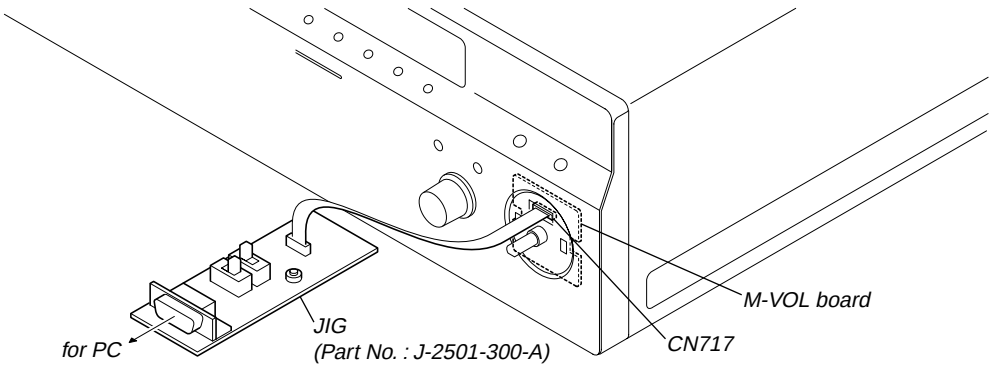
Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

UPDATE OF SOFTWARE OF THE SYSTEM CONTROLLER (IC2054)

Perform operation of the following when the update of software of the system controller (IC2054) is necessary.

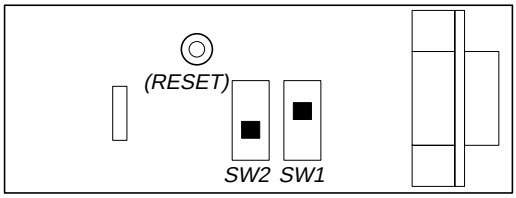
Connect:



Procedure:

1. Turn off the main power and setting the jig referring to Fig. 1 (Note: Do this setting before connecting jig with the set).
2. Remove the KNOB (VOL) ASSY and connect CN717 (M-VOL board) and PC by using the jig.
3. Turn on the main power and perform the operation according to the application.
4. After “Please Reset” is displayed, reset switch on the jig is pushed and update is completed.
5. Turn off the main power and remove the jig.
6. Turn on the main power.

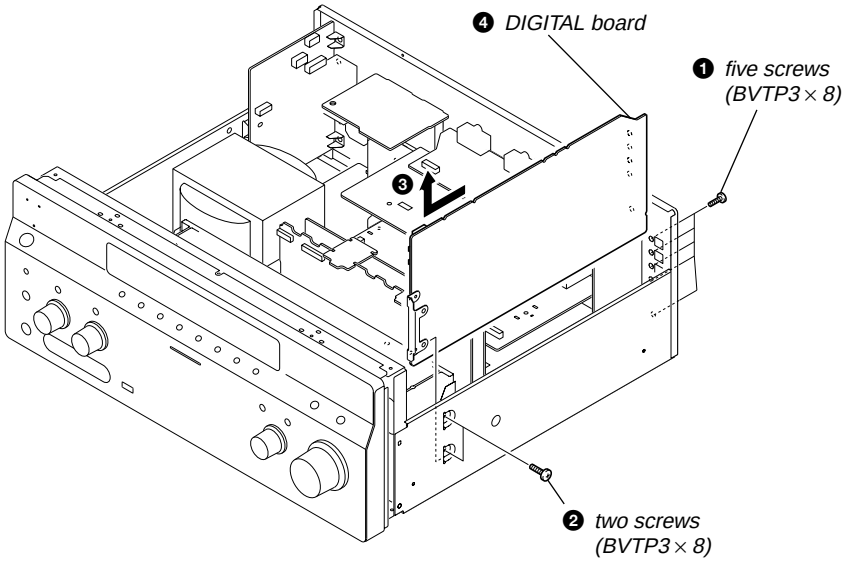
Fig.1 Setting for jig



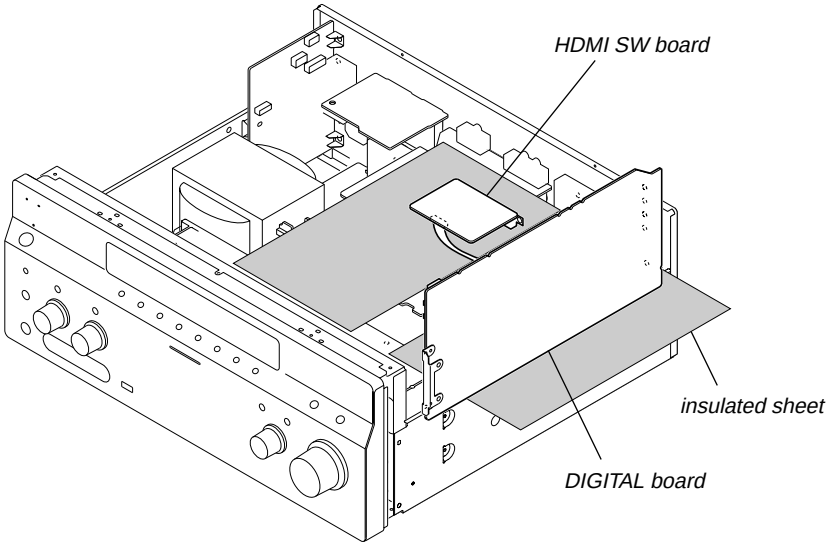
SW1: up, SW2: down

DIGITAL/HDMI SW BOARDS SERVICE POSITION

Note: Follow the disassembly procedure in the numerical order given.

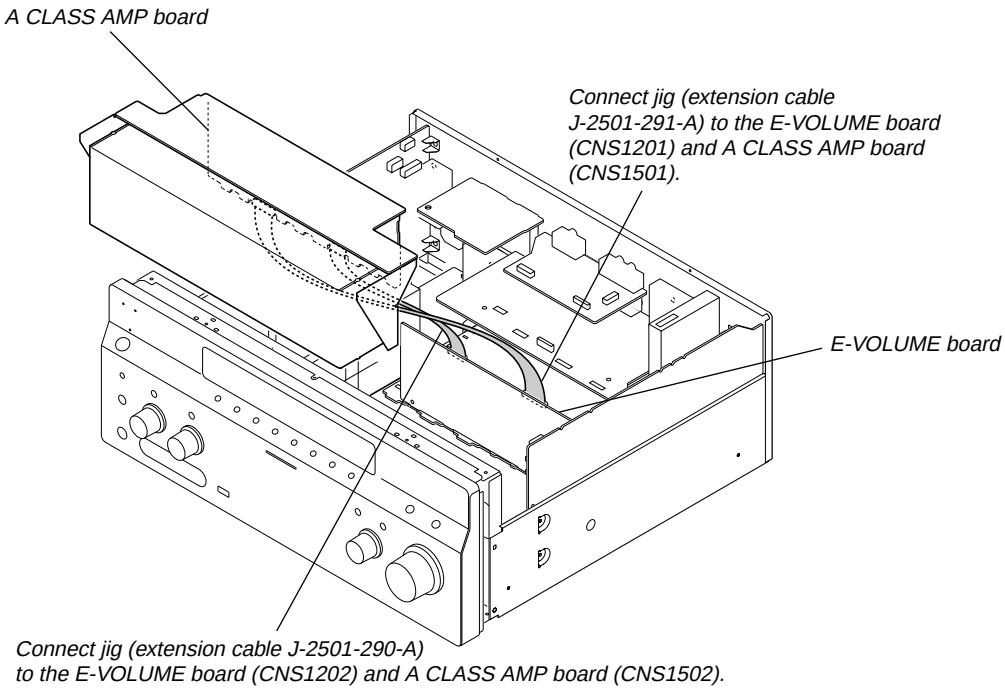


In checking the DIGITAL board, remove the HDMI SW board.

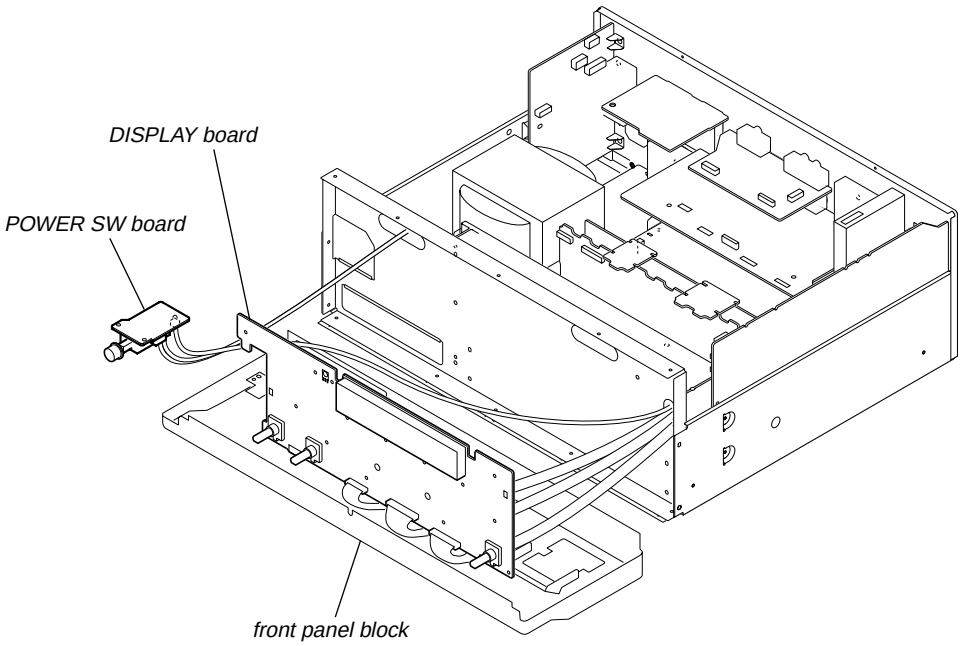


AMP BLOCK SERVICE POSITON

In checking the AMP block, prepare jig (extension cable J-2501-290-A: 500 mm 9 core/J-2501-291-A: 500 mm 12 core).

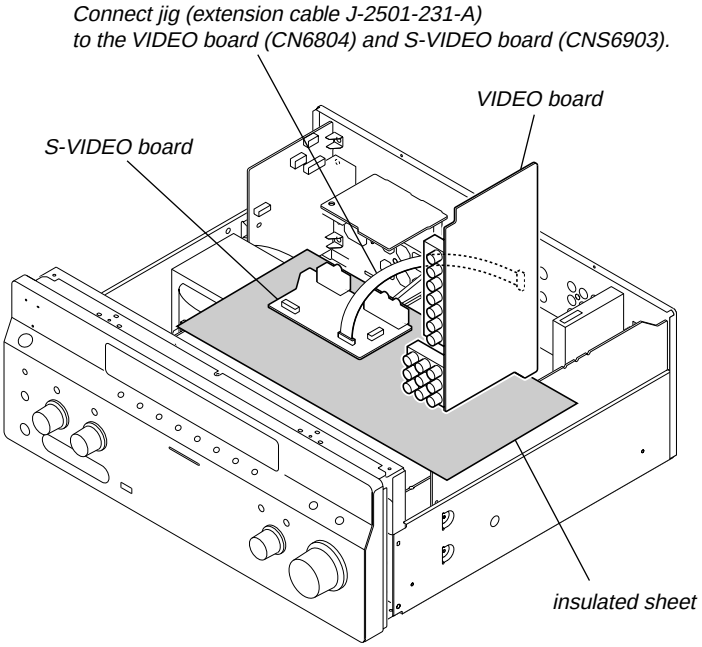

A CLASS AMP board
Connect jig (extension cable J-2501-291-A) to the E-VOLUME board (CNS1201) and A CLASS AMP board (CNS1501).
E-VOLUME board
Connect jig (extension cable J-2501-290-A) to the E-VOLUME board (CNS1202) and A CLASS AMP board (CNS1502).

DISPLAY BOARD SERVICE POSITON



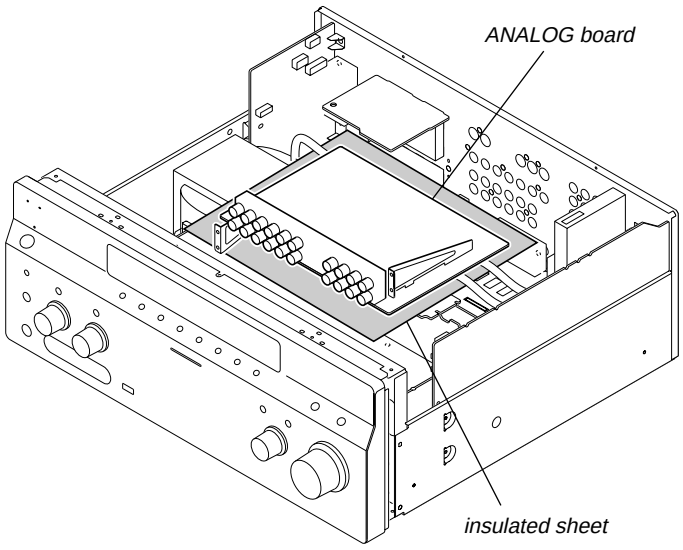
VIDEO BOARD SERVICE POSITON

In checking the VIDEO board, prepare jig (extension cable J-2501-231-A: 300 mm 15 core).


Connect jig (extension cable J-2501-231-A)
to the VIDEO board (CN6804) and S-VIDEO board (CNS6903).
VIDEO board
S-VIDEO board
insulated sheet

ANALOG BOARD SERVICE POSITON

In checking the ANALOG board, remove the VIDEO board and S-VIDEO board.

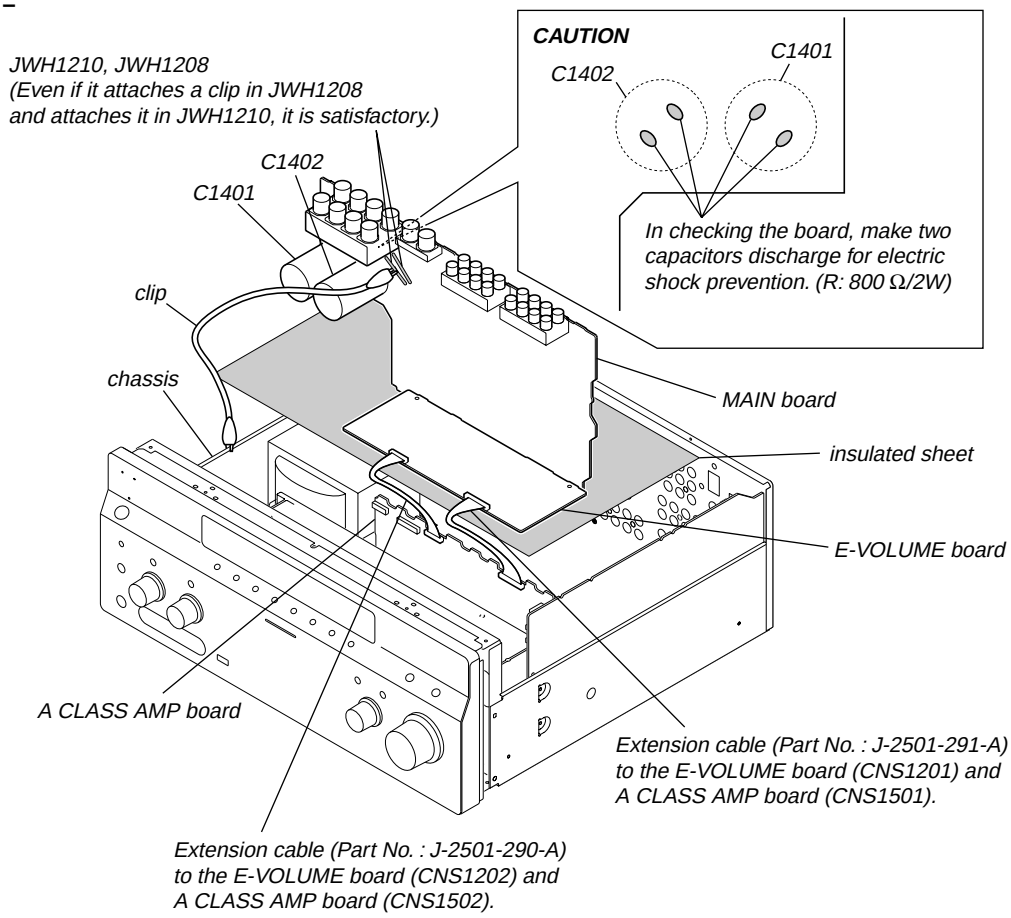


MAIN/E-VOLUME BOARDS SERVICE POSITON

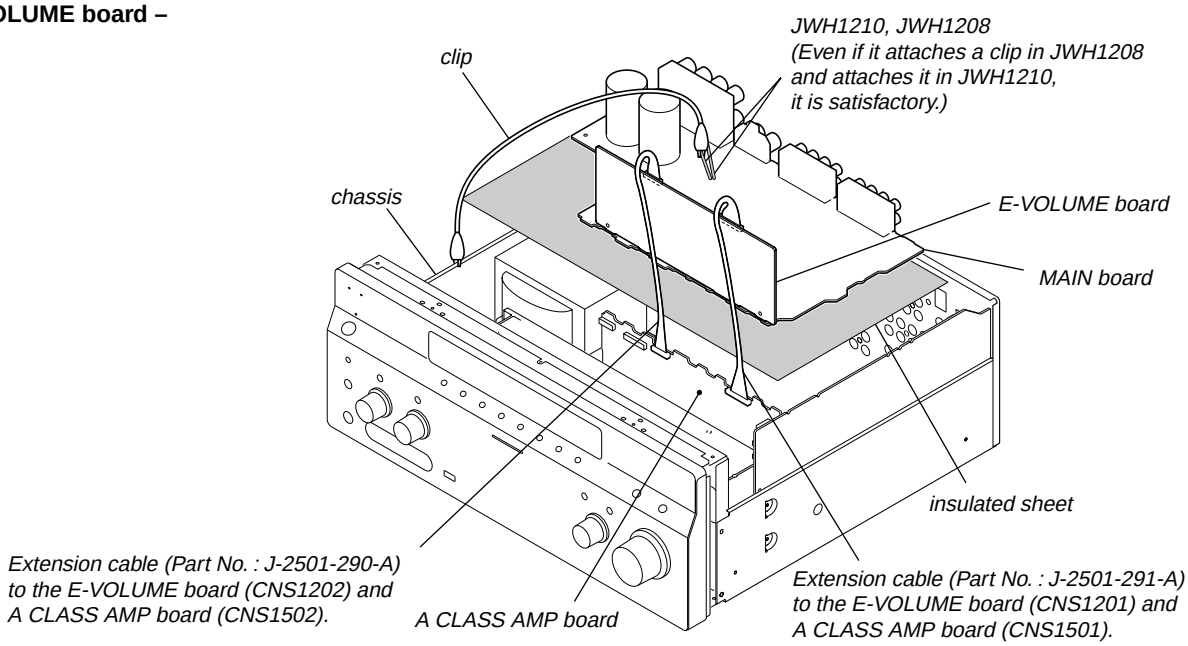
In checking the MAIN/E-VOLUME board, prepare jig (extension cable J-2501-290-A: 500 mm 9 core/J-2501-291-A: 500 mm 12 core).

Note: Be sure to ground the MAIN board with a clip when checking it.

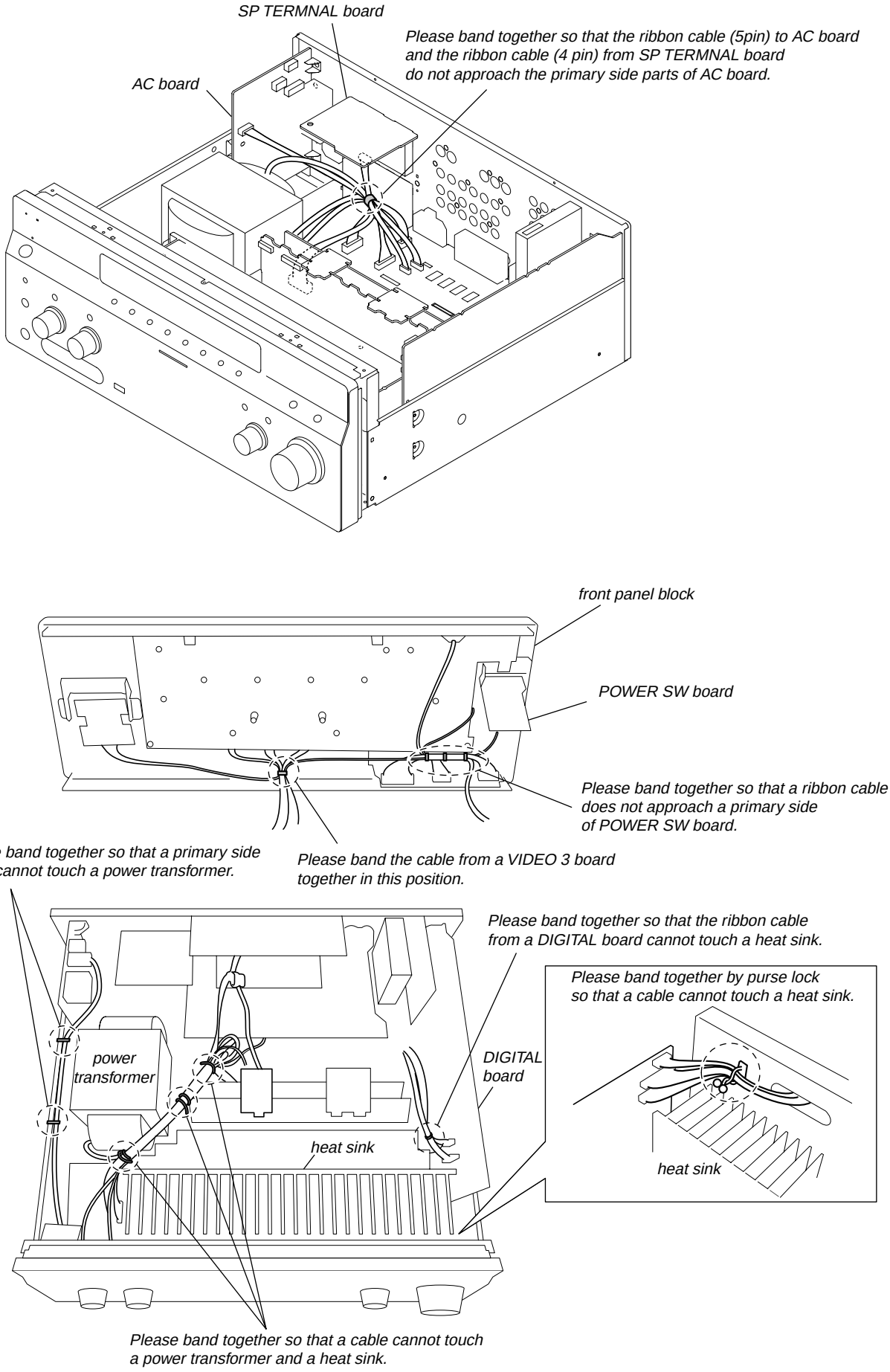
– MAIN board –


CAUTION
C1401
C1402
In checking the board, make two capacitors discharge for electric shock prevention. (R: 800 Ω/2W)
JWH1210, JWH1208
(Even if it attaches a clip in JWH1208 and attaches it in JWH1210, it is satisfactory.)
C1402
C1401
clip
chassis
MAIN board
insulated sheet
E-VOLUME board
A CLASS AMP board
Extension cable (Part No. : J-2501-291-A) to the E-VOLUME board (CNS1201) and A CLASS AMP board (CNS1501).
Extension cable (Part No. : J-2501-290-A) to the E-VOLUME board (CNS1202) and A CLASS AMP board (CNS1502).

– E-VOLUME board –


clip
JWH1210, JWH1208
(Even if it attaches a clip in JWH1208 and attaches it in JWH1210, it is satisfactory.)
chassis
E-VOLUME board
MAIN board
insulated sheet
Extension cable (Part No. : J-2501-290-A) to the E-VOLUME board (CNS1202) and A CLASS AMP board (CNS1502).
A CLASS AMP board
Extension cable (Part No. : J-2501-291-A) to the E-VOLUME board (CNS1201) and A CLASS AMP board (CNS1501).

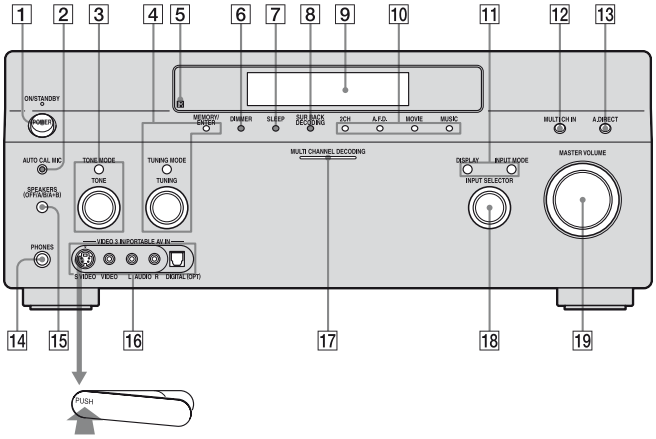
HARNESS SETTING


SP TERMNAL board
Please band together so that the ribbon cable (5pin) to AC board
and the ribbon cable (4 pin) from SP TERMNAL board
do not approach the primary side parts of AC board.
AC board
front panel block
POWER SW board
Please band together so that a ribbon cable
does not approach a primary side
of POWER SW board.
Please band together so that a primary side
cable cannot touch a power transformer.
Please band the cable from a VIDEO 3 board
together in this position.
Please band together so that the ribbon cable
from a DIGITAL board cannot touch a heat sink.
Please band together by purse lock
so that a cable cannot touch a heat sink.
power
transformer
DIGITAL
board
heat sink
heat sink
Please band together so that a cable cannot touch
a power transformer and a heat sink.

SECTION 2
GENERAL

This section is extracted from instruction manual.

Front panel

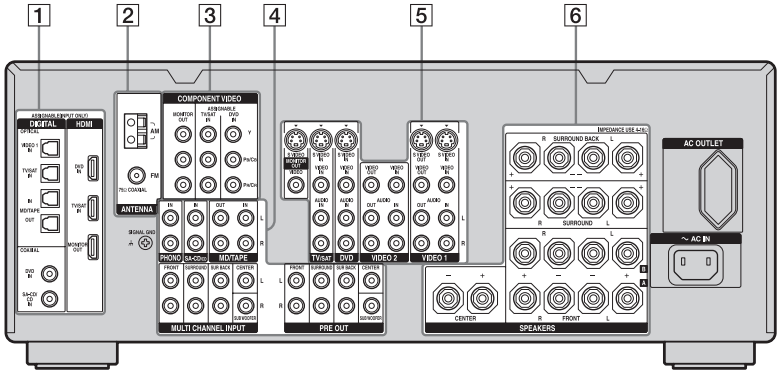


To remove the cover

Press PUSH.
When you remove the cover, keep it out of reach from children.

Name	Function
1 **POWER**	Press to turn the receiver on or off.
2 **AUTO CAL MIC jack**	Connects to the supplied optimizer microphone for the Digital Cinema Auto Calibration function.
3 **TONE MODE** / **TONE**	Adjusts FRONT BASS and FRONT TREBLE. Press TONE MODE repeatedly to select BASS or TREBLE, then turn TONE to adjust the level.
4 **MEMORY/ ENTER** / **TUNING MODE** / **TUNING**	Press to operate a tuner (FM/AM).
5 **Remote sensor**	Receives signals from remote commander.
6 **DIMMER**	Press to adjust brightness of the display.
7 **SLEEP**	Press to activate the SLEEP function.
8 **SUR BACK DECODING**	Press to activate SB DECODING.
9 **Display window**	The current status of the selected component or a list of selectable items appears here.
10 **2CH** / **A.F.D.** / **MOVIE** / **MUSIC**	Press to select sound field.
11 **DISPLAY** / **INPUT MODE**	Press to select the input mode when the same components are connected to both digital and analog jacks.
12 **MULTI CH IN**	Press to select the audio input signal from the component connected to the MULTI CHANNEL INPUT jack.
13 **A.DIRECT**	Press to listen to high quality analog sound.
14 **PHONES jack**	Connects to headphones.
15 **SPEAKERS (OFF/A/B/A+B)**	Press to select A, B, A+B, OFF of the front speakers.
16 **VIDEO 3 IN/ PORTABLE AV IN jack**	Connect to a portable audio/ video component such as a camcorder or video game.
17 **MULTI CHANNEL DECODING lamp**	Lights up when multichannel audio signals are decoded.
18 **INPUT SELECTOR**	Turn to select the input source to play back.
19 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time.

Rear panel



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN/ OUT jacks	Connects to a DVD player, Super Audio CD player, etc. The COAXIAL jack provides a better quality sound.
	COAXIAL IN jacks	
	HDMI IN/ MONITOR OUT jacks	Connects to a DVD player, or a satellite tuner. An image and the sound are output to TV or a projector.

2 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver.
	AM ANTENNA jack	Connects to the AM loop antenna (aerial) supplied with this receiver.

3 COMPONENT VIDEO INPUT/ OUTPUT section

Y Pb/Cb Pr/Cr	COMPONENT VIDEO (Y, P_B/C_B, P_R/C_R) INPUT/ OUTPUT jacks*	Connects to a DVD player, TV, or a satellite tuner.

4 AUDIO INPUT/OUTPUT section

L R	AUDIO IN/ OUT jacks	Connects to a MD deck or tape deck, etc.
MULTI CHANNEL INPUT	MULTI CHANNEL INPUT jacks	Connects to a Super Audio CD player or DVD player with an analog audio jack for 7.1 channel or 5.1 channel sound.
PRE OUT	PRE OUT jacks	Connects to an external power amplifier.

5 VIDEO/AUDIO INPUT/OUTPUT section

L R	AUDIO IN/ OUT jack	Connects to a VCR or a DVD player etc.
	VIDEO IN/ OUT jack*	
	S VIDEO IN/ OUT jack*	

6 SPEAKERS section

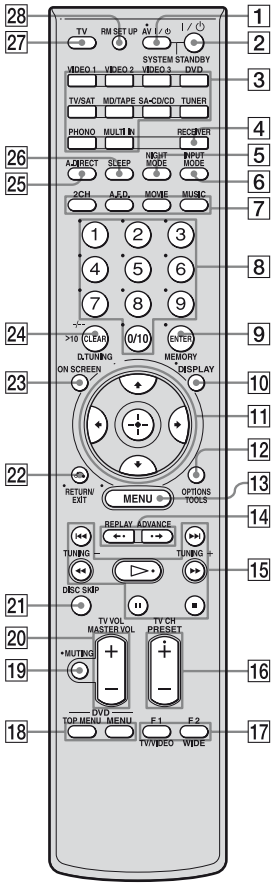
– +	Connects to speakers.

* You can watch the selected input image when you connect the MONITOR OUT jack to a TV.
You can also display certain menu settings and the sound field on the monitor when you press ON SCREEN on the remote.

Remote commander

You can use the supplied remote RM-AAP015 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.

RM-AAP015



Name	Function
1 **AV I/⏻** (on/standby)	Press to turn on or off the audio/video components that the remote is assigned to operate. If you press the **I**/⏻ (2) at the same time, it will turn off the receiver and other Sony components (SYSTEM STANDBY). **Note** The function of the AV **I**/⏻ switch changes automatically each time you press the input button (3).
2 **I/⏻** (on/standby)	Press to turn the receiver on or off.
3 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components. You can program the remote to control non-Sony components following the steps in "Programming the remote".
4 **RECEIVER**	Press to enable the receiver operation.
5 **NIGHT MODE**	Press to activate the NIGHT MODE function.
6 **INPUT MODE**	Press to select the input mode when the same components are connected to both digital and analog jacks.
7 **2CH**	Press to select a sound field.
A.F.D.	
MOVIE	
MUSIC	
8 **Numeric buttons**	Press to – preset/tune to preset stations. – select track numbers of the CD player, DVD player or MD deck. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. – After pressing TV (27), press the numeric buttons to select the TV channels.
9 **ENTER**	Press to enter the value after selecting a channel, disc or track using the numeric buttons.
MEMORY	Press to store a tuner station during tuner operation.
10 **DISPLAY**	Press to select information displayed on the display window, TV screen of the VCR, satellite tuner, CD player, DVD player, or MD deck.
11 ↑/↓/←/→	After pressing MENU (13) or TOP MENU (18), press ↑/↓, ← or → to select the settings. Then press ⊕ to enter the selection.
12 **TOOLS**	Press to display and select items from the option menus for DVD player, etc.
OPTIONS	
13 **MENU**	Press to display the menu of the receiver, a DVD player or TV, etc.
14 **REPLAY ←·/ ADVANCE ·→**	Press to replay the previous scene or fast forward the current scene of the VCR or DVD player.
15 **◀◀/▶▶** a) **■** a) **❚❚** a) **▷** b) **I◀◀/▶▶I** a)	Press to operate the DVD player, CD player, MD deck or tape deck, etc.
TUNING +/–	Press to select stations.
16 **PRESET + b)/–**	Press to register FM/AM Radio stations or to select preset stations.
TV CH +/–	Press TV (27) and then press TV CH+/– to operate the TV, satellite tuner, VCR, etc.
17 **F1/F2**	Press TV (27) and then press F1 or F2 to select a component to operate. • Hard disk recorder F1: HDD F2: DVD • DVD/VHS combo player F1: DVD F2: VHS
TV/VIDEO	Press TV/VIDEO and TV (27) at the same time to select the input signal (TV input or video input).
WIDE	Press to select the wide picture mode.
18 **TOP MENU**	Press to display the menu or on-screen guide of the DVD player on the TV screen. Then use ↑/↓/←/→ and ⊕ to perform menu operations.
MENU	Press to display the menus of the DVD player on the TV screen. Then use ↑/↓/←/→ and ⊕ to perform menu operations.
19 **MUTING**	Press to activate the muting function.
20 **MASTER VOL +/–**	Press to adjust the volume level of all speakers at the same time.
TV VOL +/–	Press TV (27) and then press TV VOL +/– to adjust the volume level of the TV.
21 **DISC SKIP**	Press to skip a disc when using a multi-disc changer.
22 **RETURN/ EXIT ↶**	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
23 **ON SCREEN**	Press to display the receiver status. Then, if you press MENU (13), the menus of the receiver appear.
24 **CLEAR**	Press to – clear a mistake when you press the incorrect numeric button. – return to continuous playback, etc. of the satellite tuner or DVD player.
>10	Press to select – track numbers over 10 of the VCR, satellite tuner, CD player or MD deck. – channel numbers of the Digital CATV terminal.
D.TUNING	Press to enter direct tuning mode.
25 **A.DIRECT**	Press to switch the audio of the selected input to analog signal without any adjustment.
26 **SLEEP**	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.
27 **TV**	Press to enable TV operation.
28 **RM SET UP**	Press to set up the remote.

a) See the table on page 93 for information on the buttons that you can use to control each component.

b) The tactile dot is attached to these buttons (▷, PRESET+). Use as a mark of operation.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

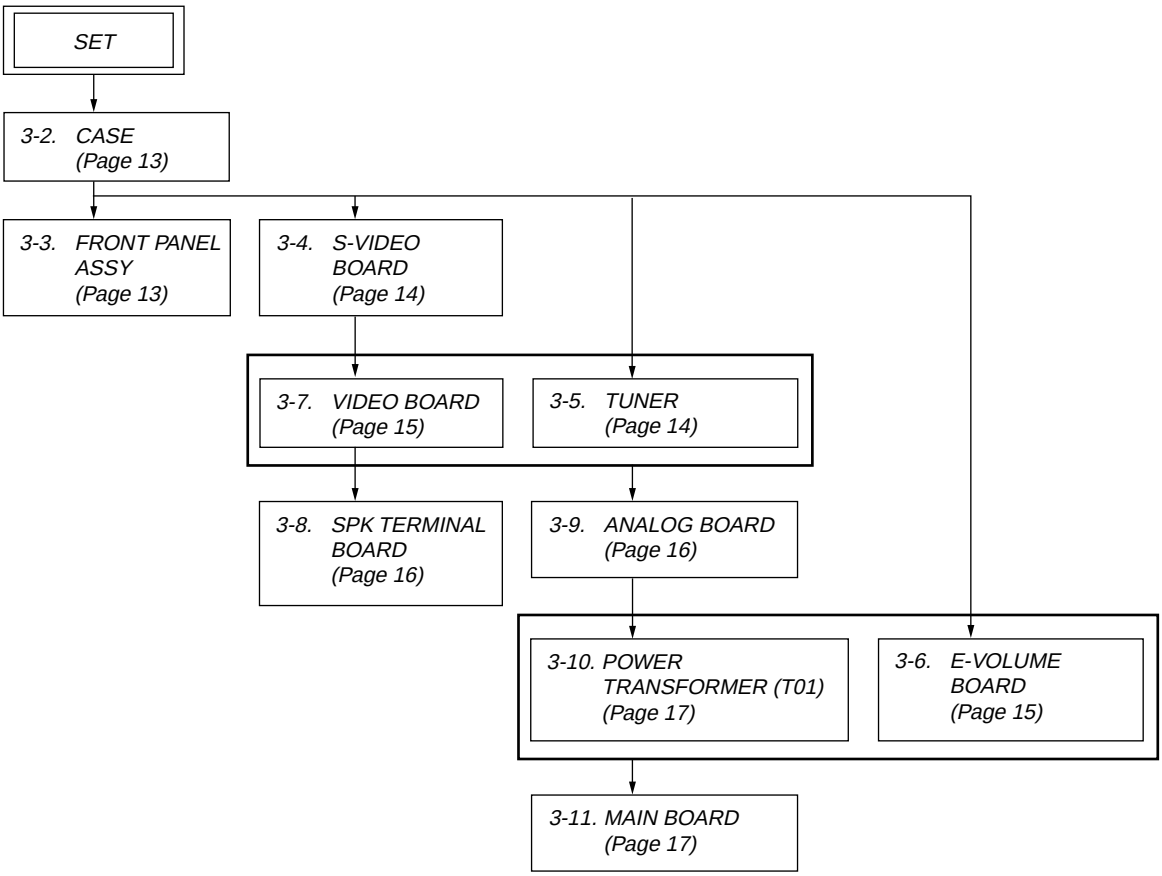
SECTION 3
DISASSEMBLY

- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

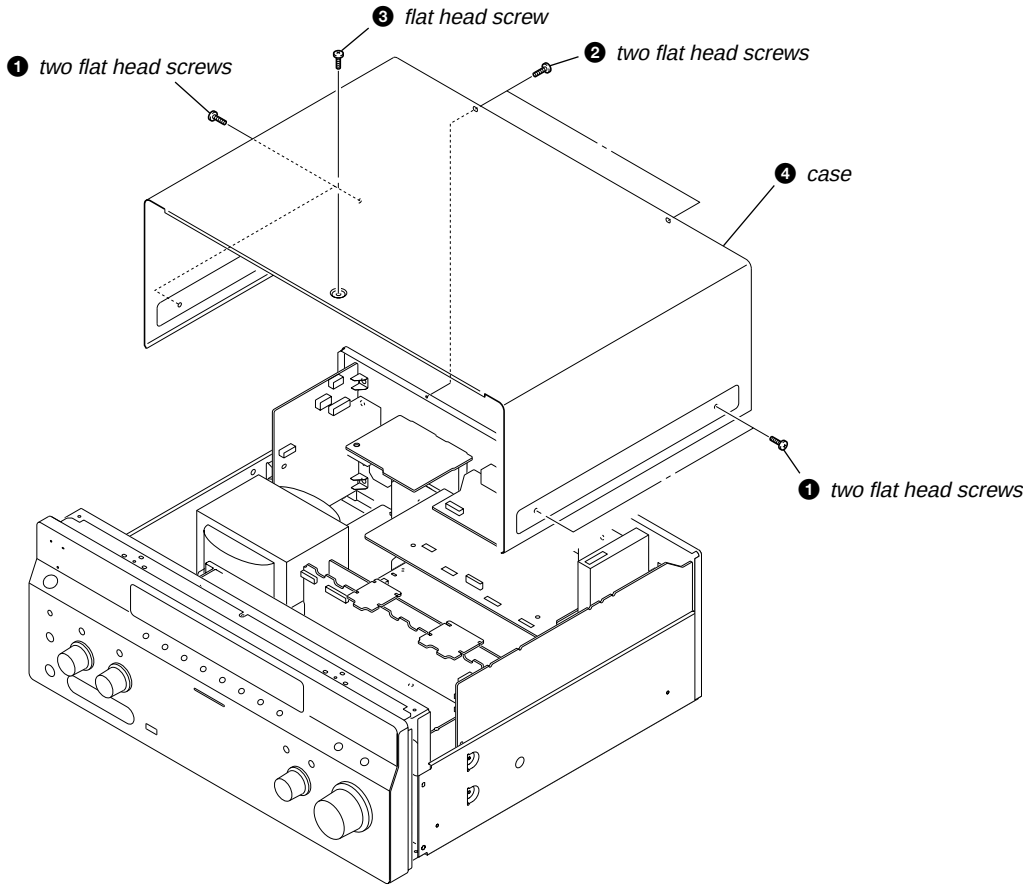
Note 1: *The process described in* ▣ *can be performed in any order.*

Note 2: *Without completing the process described in* ▣*, the next process can not be performed.*

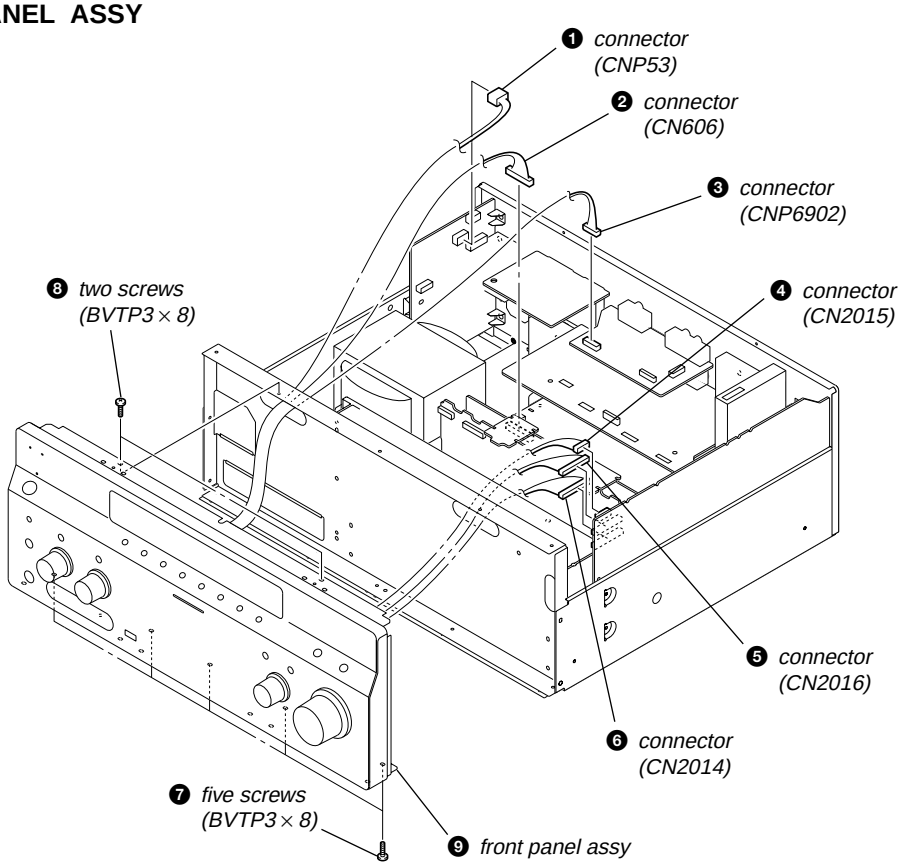

SET
3-2. CASE (Page 13)
3-3. FRONT PANEL ASSY (Page 13)
3-4. S-VIDEO BOARD (Page 14)
3-7. VIDEO BOARD (Page 15)
3-5. TUNER (Page 14)
3-8. SPK TERMINAL BOARD (Page 16)
3-9. ANALOG BOARD (Page 16)
3-10. POWER TRANSFORMER (T01) (Page 17)
3-6. E-VOLUME BOARD (Page 15)
3-11. MAIN BOARD (Page 17)

Note: Follow the disassembly procedure in the numerical order given.

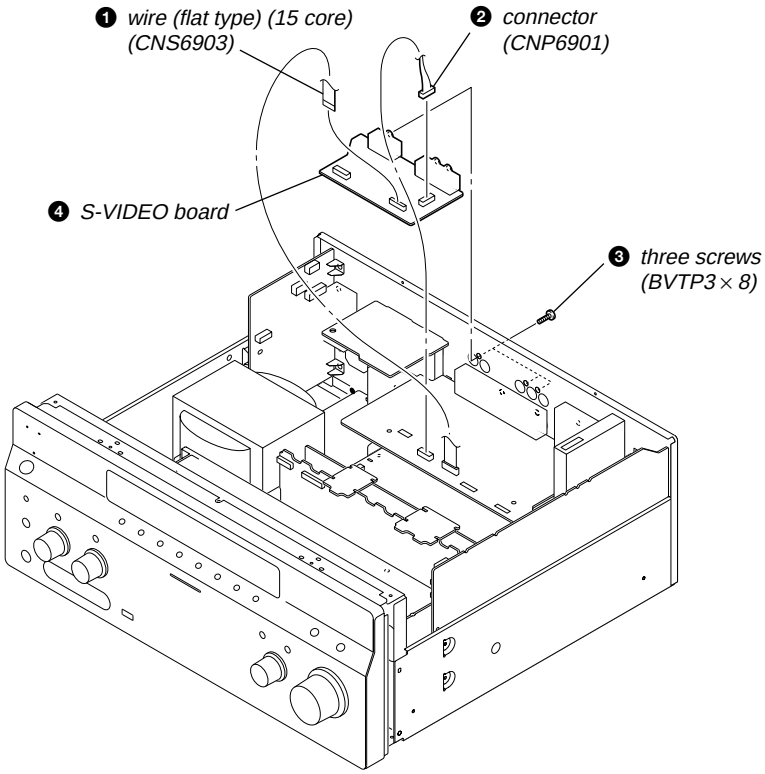
3-2. CASE



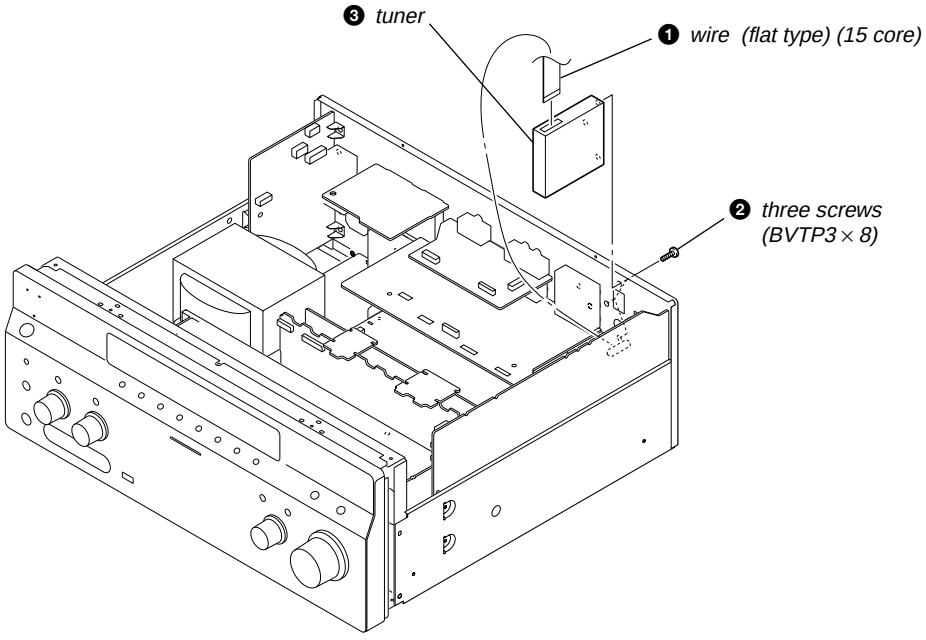
3-3. FRONT PANEL ASSY



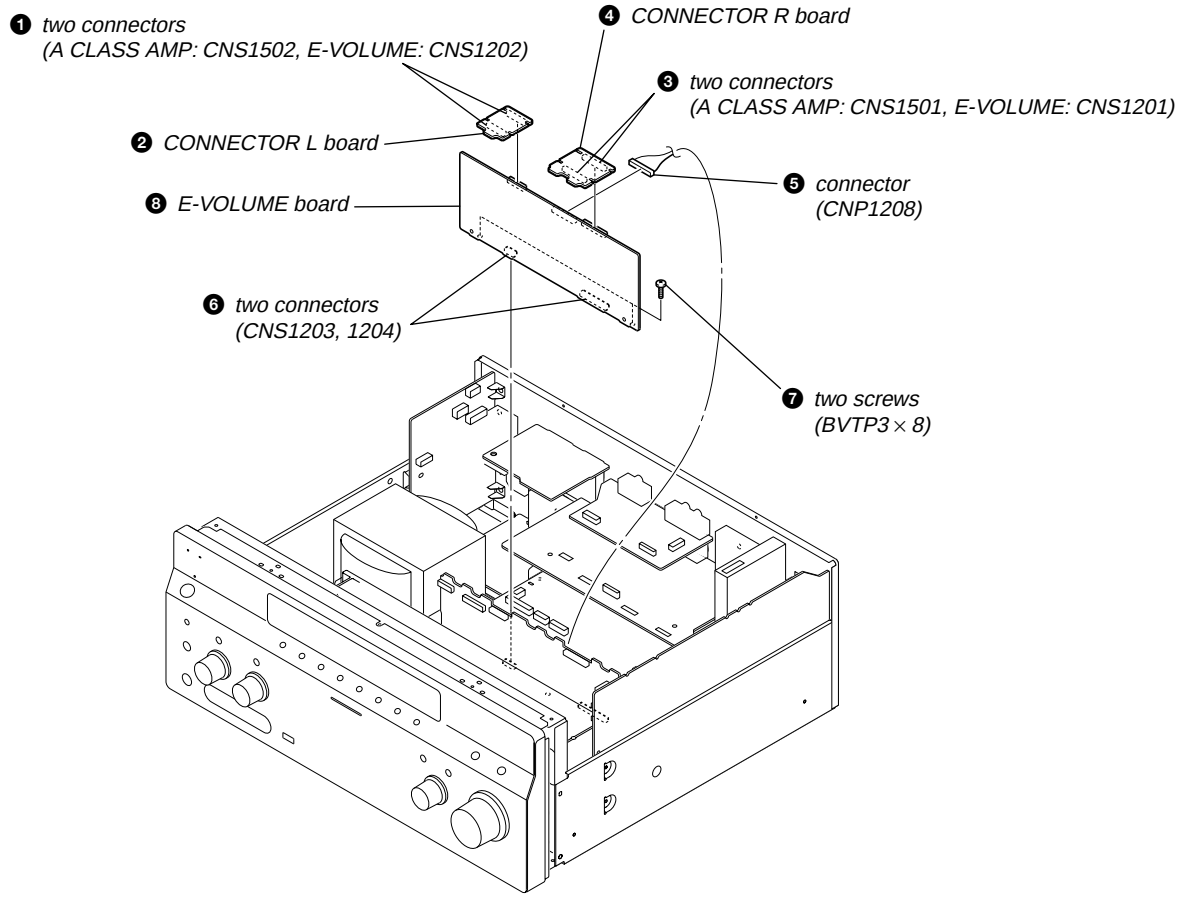
3-4. S-VIDEO BOARD



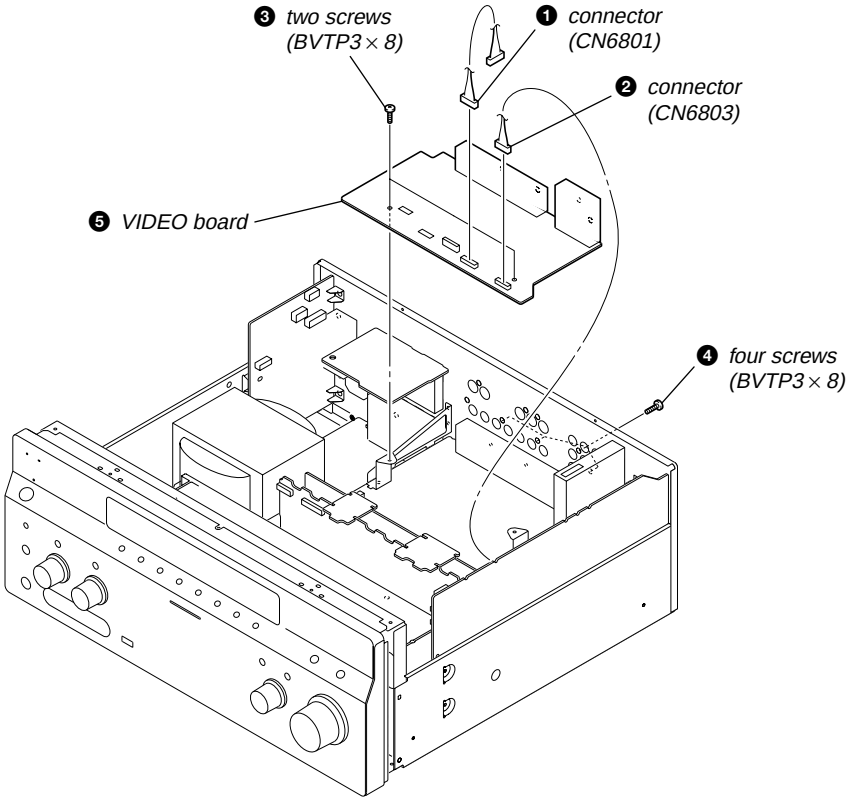
3-5. TUNER



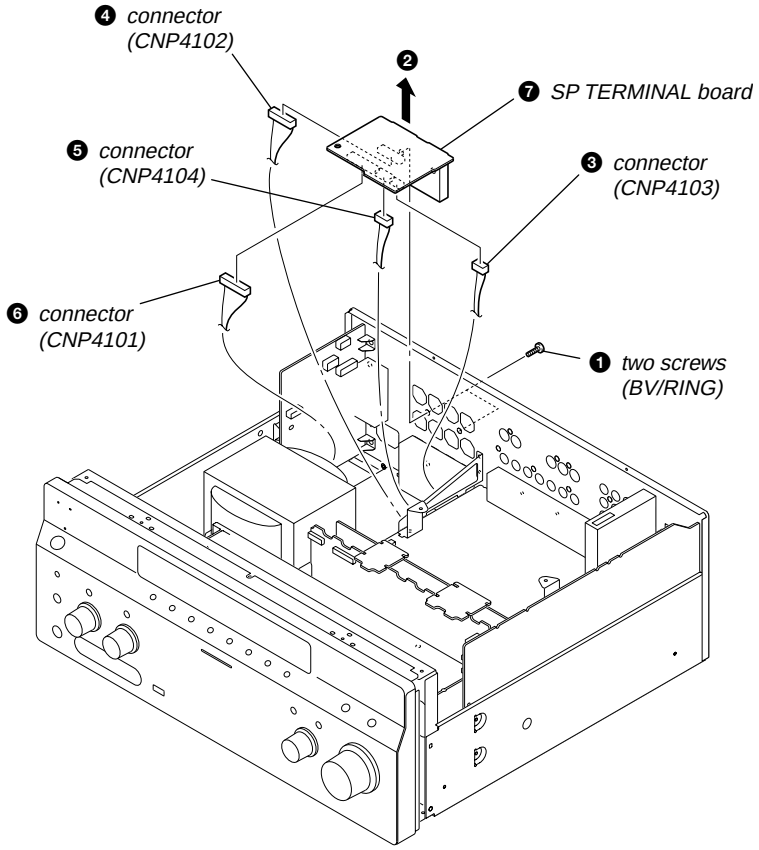
3-6. E-VOLUME BOARD



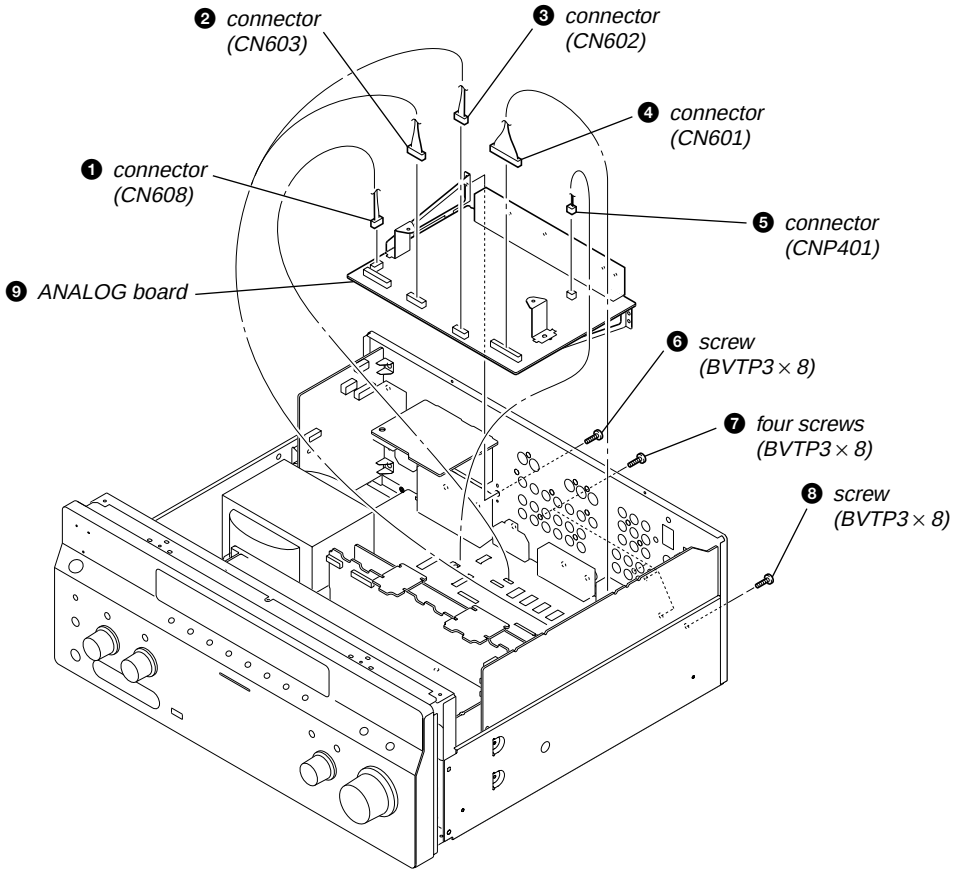
3-7. VIDEO BOARD



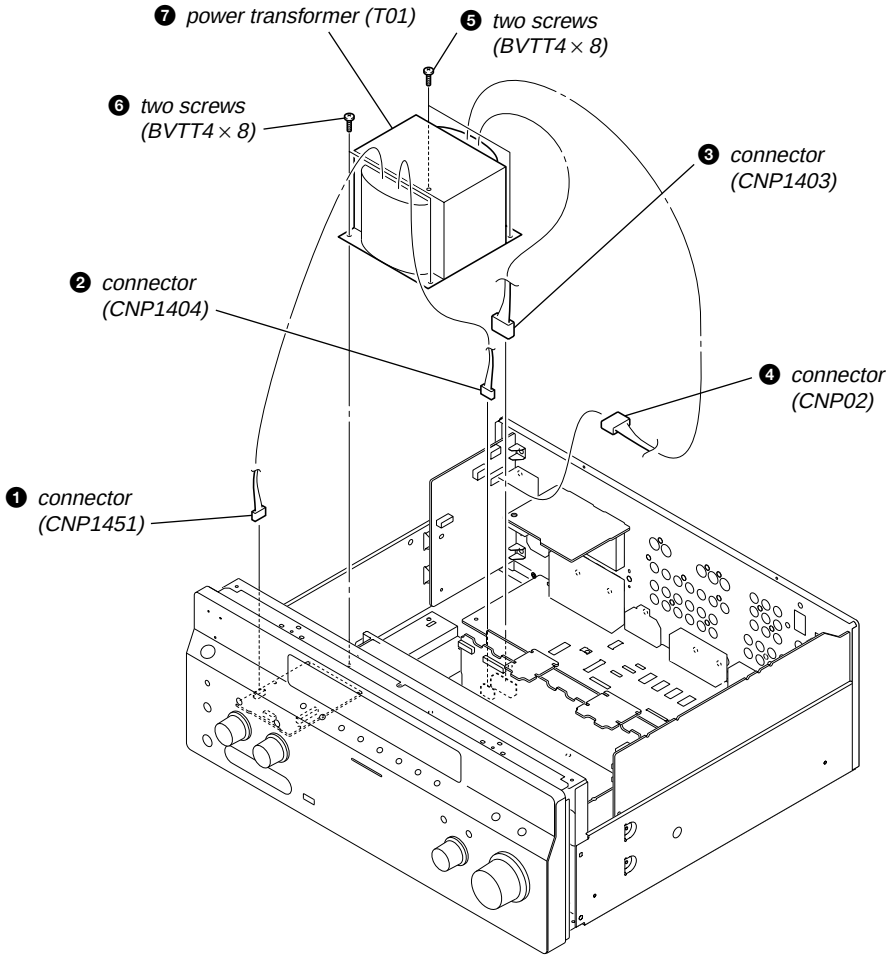
3-8. SP TERMINAL BOARD



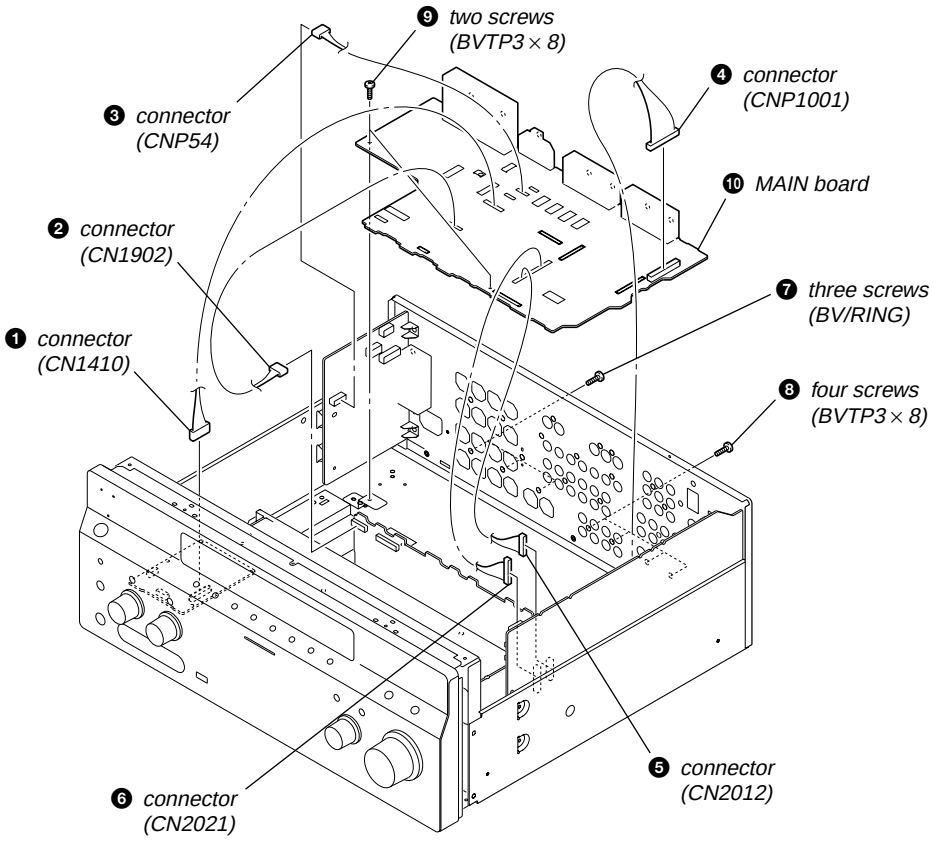
3-9. ANALOG BOARD



3-10. POWER TRANSFORMER (T01)


❼ power transformer (T01)
❺ two screws (BVTT4 × 8)
❻ two screws (BVTT4 × 8)
❸ connector (CNP1403)
❷ connector (CNP1404)
❹ connector (CNP02)
❶ connector (CNP1451)

3-11. MAIN BOARD



SECTION 4
TEST MODE

TUNER FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the [2CH] and [TUNING MODE] buttons, press the [POWER] button to turn on the main power.
2. The message “Factory Preset” appears and the present contents are reset to the default values.

MEMORY CLEARING MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [TONE MODE] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power.
2. The message “MEMORY CLEARING...” appears and the memories are reset to the default values.
3. When done, the message “MEMORY CLEARED !” appears.

SWAP MODE

Procedure:

1. While pressing the [2CH] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power.
2. The message “SWAP MODE !” appears.
3. Press the [DISPLAY] button.
4. The message “–34.5 dB” appears. (Volume level is “MID”)
5. Press the [DISPLAY] button once again.
6. The message “23.0 dB” appears. (Volume level is “MAX”)
7. Press the [DISPLAY] button once again.
8. The message “–∞ dB” appears. (Volume level is “MIN”)

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the [MOVIE] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power.
2. All segments and all LEDs turn on.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [MUSIC] button, press the [POWER] button to turn on the main power.
2. The message “S. F. Initialize” appears and initialization is performed.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the [2CH] button, press the [POWER] button to turn on the main power.
2. Either the message “COMMAND MODE [AV1]” or “COMMAND MODE [AV2]” appears. Select the desired mode.

SF LOCK ON/OFF CHANGE MODE

Procedure:

1. While pressing the [MUSIC] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power.
2. Either the message “OFF” or “ON” appears.

RDS AUTOBETICAL MODE

Procedure:

1. While pressing the [MEMORY/ENTER] button, press the [POWER] button to turn on the main power.
2. The message “Autobetical Select” appers and scans and stores all the FM and FM RDS station in the broadcast area.

SPECIAL MENU MODE

Procedure:

1. Press the [POWER] button to turn on the main power, then while pressing the [TONE MODE] button, press the [A.F.D.], [2CH], [MUSIC], [MOVIE] button in order.
2. The message “MENU SPECIALIZED!” appears.
3. Each time the [↑] [↓] button of the remote commander is pressed, the item is switched in order as follows.
4. To release from this mode, while pressing the [TONE MODE] button, press the [A.F.D.], [2CH], [MUSIC], [MOVIE] button in order again.
5. The message “MENU SPECIALIZED OFF” appears.

Items	Display	Remark
Protector on/off	PROTECTOR ON/OFF [XXX]	XXX: ON or OFF (switching with [↑] [↓] button of the remote commander)
Model version display	##### *** vX. XX @@@@	#####: model ***: destination X.XX: system controller software version @@@@: Sum value of flash memory in the main system controller
Model/destination change	MODEL [##### * * * *] X X	#####: model, ****: destination, XX: at or fx (switching with [↑] [↓] button of the remote commander)
FM/AM tuner version display	FM/AM Tuner Ver X. XX	X.XX: FM/AM tuner controller software version
HDMI controller version display	HDMI Micom Ver X. XX	X.XX: HDMI controller software version
HDMI controller update mode	HDMIUcom Update [XXX]	XXX: ON or OFF (switching with [↑] [↓] button of the remote commander) Reset control form the system controller side and the reset control from the PC side interfere mutually when updating the HDMI controller and it becomes writing NG Therefore, when this mode is set to ON, the reset control from the system controller side is not done
Auto cal mic test	SPEAKER OUT [XXXXX]	XXXXX: Selection of speaker output audio [SOURCE]: nomally mode, [MIC]: mode that output audio from mic from speaker
FL display fonts test	FL FONT 0x ** = [X]	**: 20 to FE, X: character (switching with [↑] [↓] button of the remote commander)
FL display test	ALL ON	Each time DISPLAY button to change as follows. all on → test pattern 1 → test pattern 2 → all off → all on
Audio swap	SWAP [XXXXXXXXXXX]	Switching with [↑] [↓] button of the remote commander
DSP halt	DSP HALT [XXX]	XXX: ON or OFF (switching with [↑] [↓] button of the remote commander) Mode not to send DSP host code, and to make only decipherment done
DSP RAM	[*****]=XXXXXXXX	Mode that refers to internal RAM of DSP (for design evaluation)
DSP Version display	DSP Ver S: ***, P: XXX	***: DSP decoder patch version XXX: DSP post process version
Volume value display (FL/FR)	FL**** FR XXXX	****: Front L-ch volume value XXXX: Front R-ch volume value
Volume value display (SL/SR)	SL**** SR XXXX	****: Surround L-ch volume value XXXX: Surround R-ch volume value
Volume value display (CT/SW)	CT**** SW XXXX	****: Center volume value XXXX: Sub woofer R-ch volume value
Volume value display (SBL/SBR)	SBL**** SBR XXXX	****: Surround back L-ch volume value XXXX: Surround back R-ch volume value
DAC mute information disclosure 1	DAC MUTE U XXXXXXXX	Display of module information to demand muting in system controller (for design evaluation)
DAC mute information disclosure 2	DAC MUTE L XXXXXXXX	Display of module information to demand muting in system controller (for design evaluation)
EERROM debug	EEPROM [****] FR XX	****: EEPROM address XX: EEPROM data (switching with [↑] [↓] button of the remote commander)
Super reset	SUPER RESET [XXX]	Not used for the servicing If super reset is performed, “up convert signal level adjustment” will also be initialized When EEPROM initialization is required, perform the “all clear mode”
2nd volume value display	2nd VOLUME XXX	XXX: 2nd room volume value (00 to ∞)
FL display duty change	DARK OUT DUTY [XXX%]	XXX: Duty value of FL display (0% to 100%) (switching with [↑] [↓] button of the remote commander)
YUV Y drive	YUV Y DRIVE [XX]	XX: Gain control value of brighness (00 to 1F) (switching with [↑] [↓] button of the remote commander)

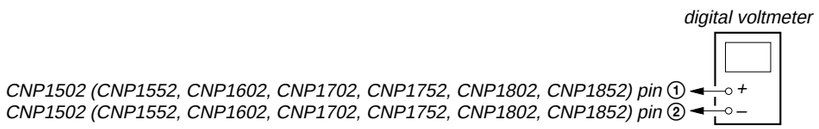
Items	Display	Remark
YUV U drive	YUV U DRIVE [XX]	XX: Gain control value of color difference (Cb) (00 to 1F) (switching with ↑↓ button of the remote commander)
YUV V drive	YUV V DRIVE [XX]	XX: Gain control value of color difference (Cr) (00 to 1F) (switching with ↑↓ button of the remote commander)
Stop clock	STOP CLK [XX] [XX] [XX]	Value of register related to clock of system controller display mode (for design evaluation)

SECTION 5
ELECTRICAL ADJUSTMENTS

BIAS ALIGNMENT ADJUSTMENT

Note: Afer 10 minutes or more have passed since the power supply was turned on, this adjustment is done.

Connection

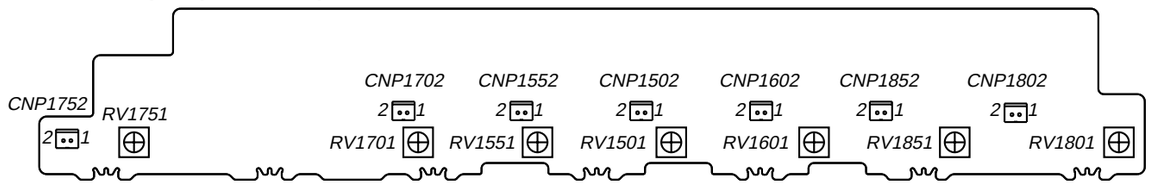

digital voltmeter
CNP1502 (CNP1552, CNP1602, CNP1702, CNP1752, CNP1802, CNP1852) pin ①
CNP1502 (CNP1552, CNP1602, CNP1702, CNP1752, CNP1802, CNP1852) pin ②
+
–

Procedure:

1. Connect a digital voltmeter to the CNP1502 (CNP1552, CNP1602, CNP1702, CNP1752, CNP1802, CNP1852) on the BIAS board.
2. Press the [POWER] button to turn on the main power.
3. Adjust the RV1501 (RV1551, RV1601, RV1701, RV1751, RV1801, RV1851) so that the digital voltmeter reading is 5 mV to 20 mV.

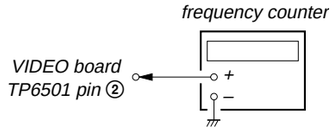
Adjustment and Connection Location:

– BIAS Board (Component Side) –



OSD ADJUSTMENT

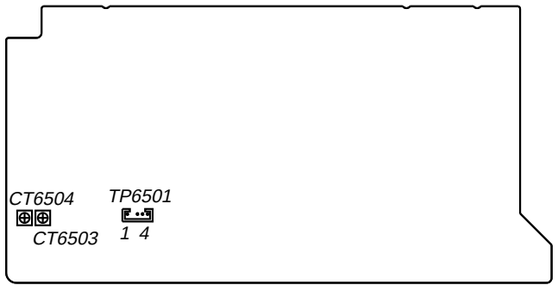
Connection



1. Connect a frequency counter to the TP6501 pin 2 on the VIDEO board.
2. Press the [POWER] button to turn on the main power.
3. Perform the MEMORY CREARING MODE.
4. Press the [MENU] button on the remote commander to display “Lebel Setting”.
5. Press the [↑][↓] button on the remote commander to display “Video Settings” and press the [⊕] button on the remote commander.
6. Press the [↑][↓] button on the remote commander to display “COLOR SYSTEM” and press the [⊕] button on the remote commander.
7. Press the [↑][↓] button on the remote commander to select NTSC.
8. Adjust the CT6503 so that the frequency counter reading is 3.579545 MHz.
9. Press the [↑][↓] button on the remote commander to select PAL.
10. Adjust the CT6504 so that the frequency counter reading is 4.433618 MHz.

Adjustment and Connection Location:

– VIDEO Board (Component Side) –



UP CONVERT SIGNAL LEVEL ADJUSTMENT

Enter the test mode

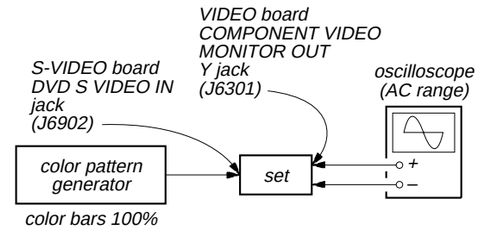
1. In the standby status, press the [POWER] button while pressing the [2CH] and [TONE MODE] buttons.
2. It enters the test mode, and display as below figure.

Display

HU[7]CON[7]COL[7]

1. Y Level Adjustment

Setting:



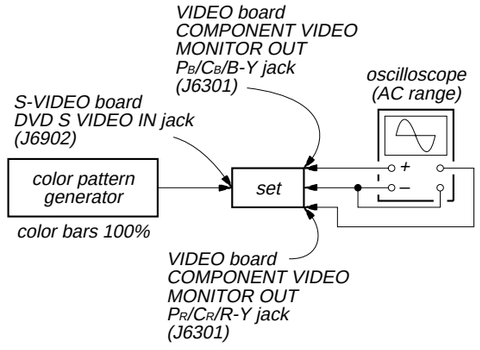
Procedure:

1. Connect a color pattern generator to the DVD S VIDEO IN jack (J6902) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO MONITOR OUT Y jack (J6301) on the VIDEO board.
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the [TUNING] dial so that the Vp-p value of waveform becomes 1 Vp-p.

Y waveform:

2. Color Level Adjustment

Setting:



Procedure:

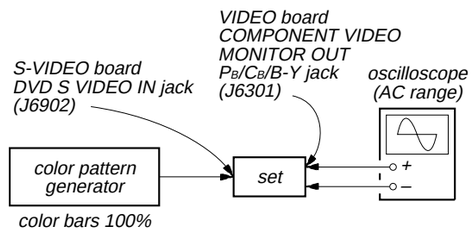
1. Connect a color pattern generator to the DVD S VIDEO IN jack (J6902) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO MONITOR OUT P_B/C_B/B-Y jack and COMPONENT VIDEO MONITOR OUT P_R/C_R/R-Y jack (J6301) on the VIDEO board .
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Display two waveforms of C_B and C_R simultaneously.
5. Adjust the [INPUT SELECTOR] dial so that the Vp-p value of waveforms of C_B and C_R both may be most set to 0.7V closely.

C_B waveform:

C_R waveform:

3. HUE Level Adjustment

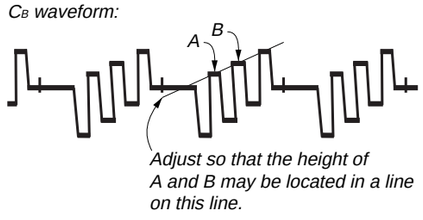
Setting:



Procedure:

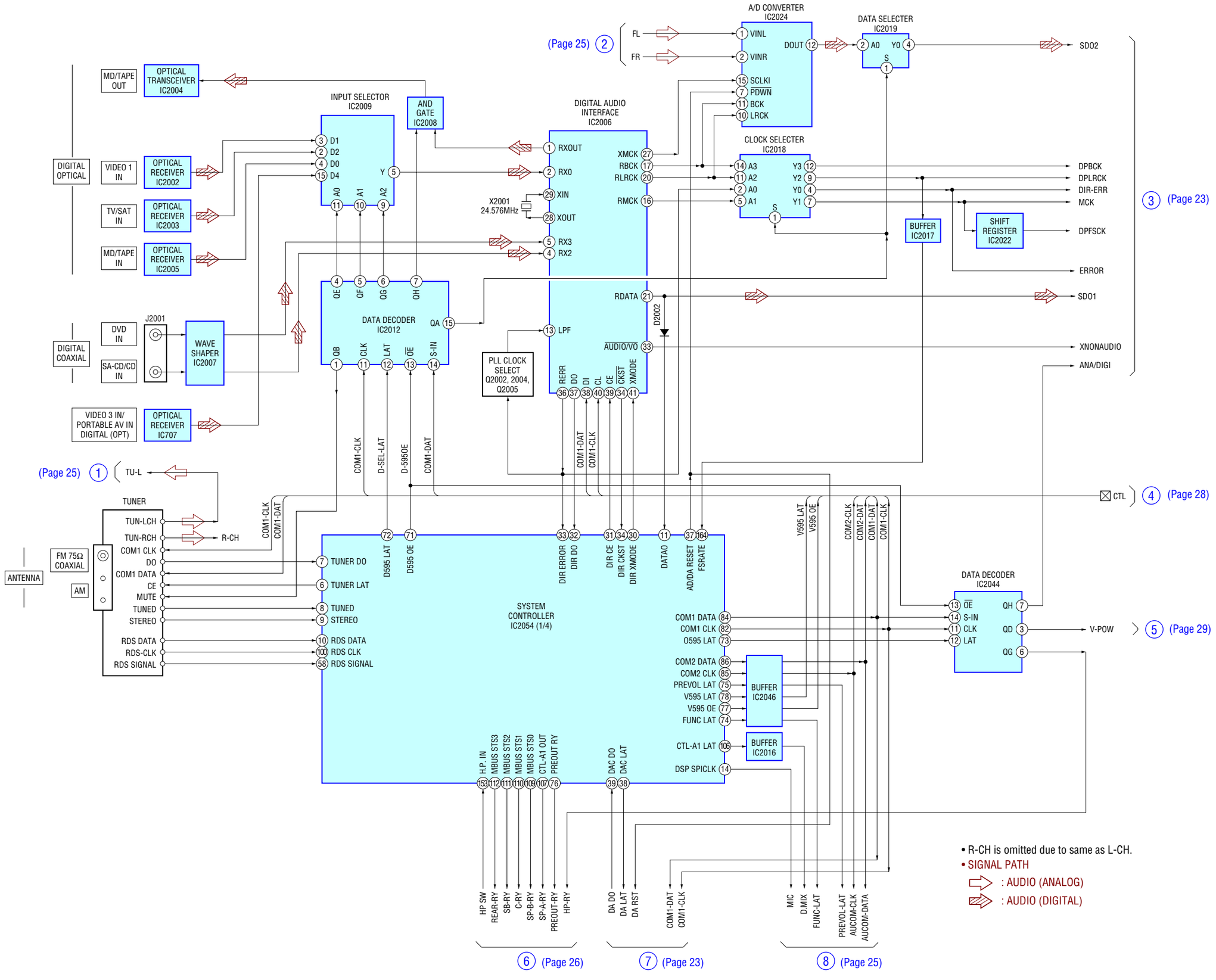
1. Connect a color pattern generator to the DVD S VIDEO IN jack (J6902) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO MONITOR OUT P_B/C_B/B-Y jack (J6301) on the VIDEO board.
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the [TONE] dial so that the waveform as bellow.

C_B waveform:

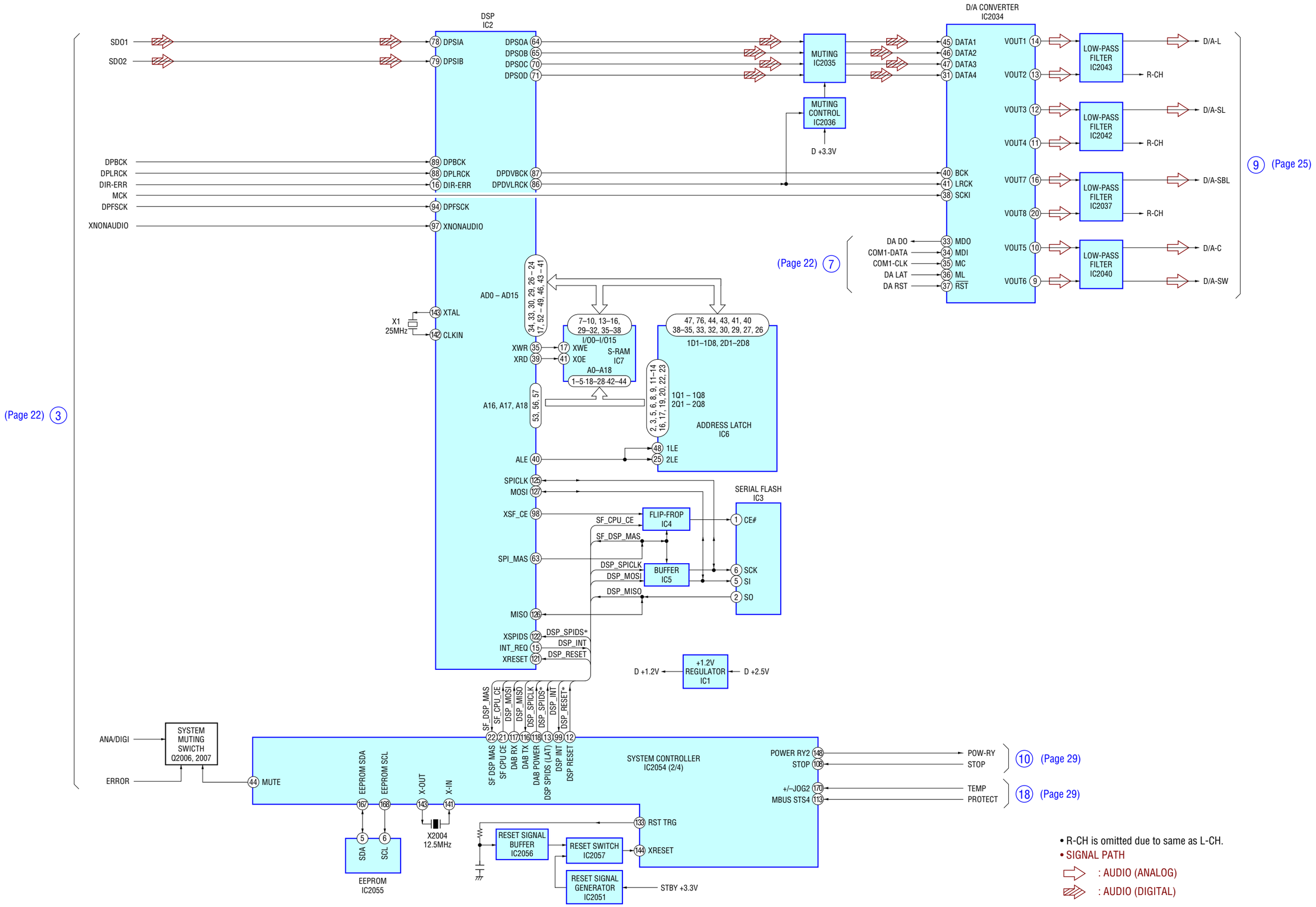


SECTION 6
DIAGRAMS

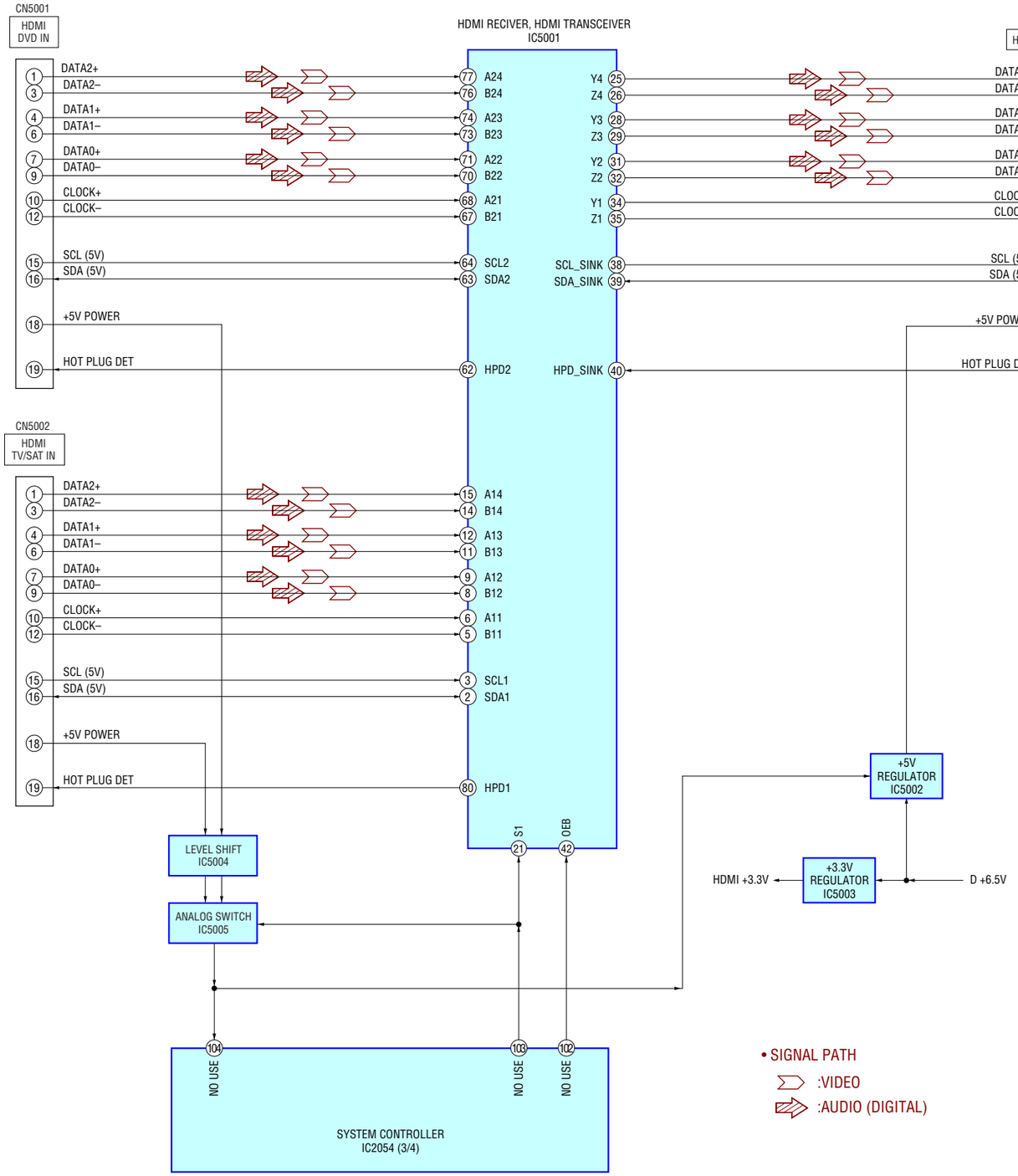
6-1. BLOCK DIAGRAM – CONTROL Section –



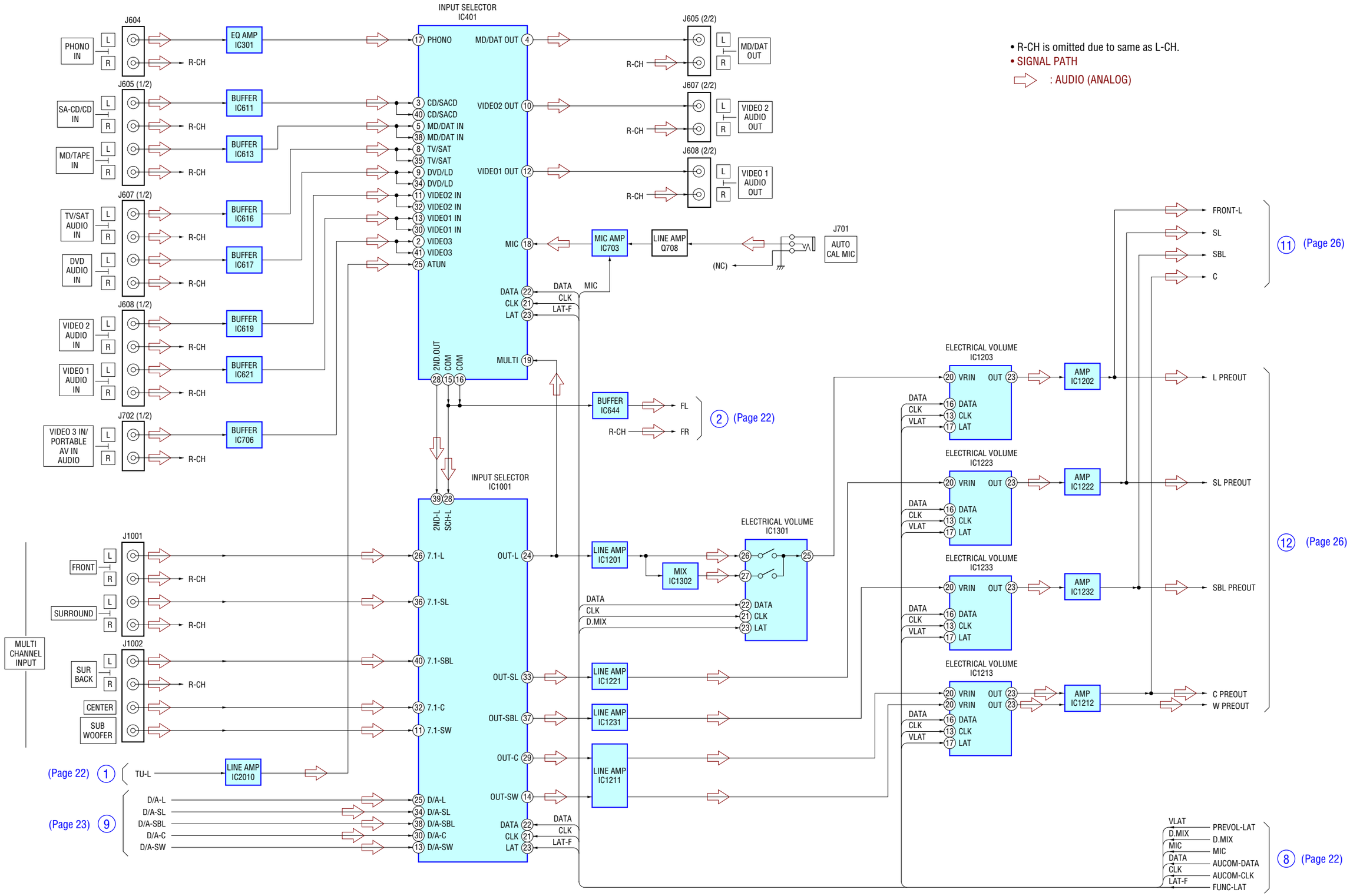
6-2. BLOCK DIAGRAM – DSP Section –



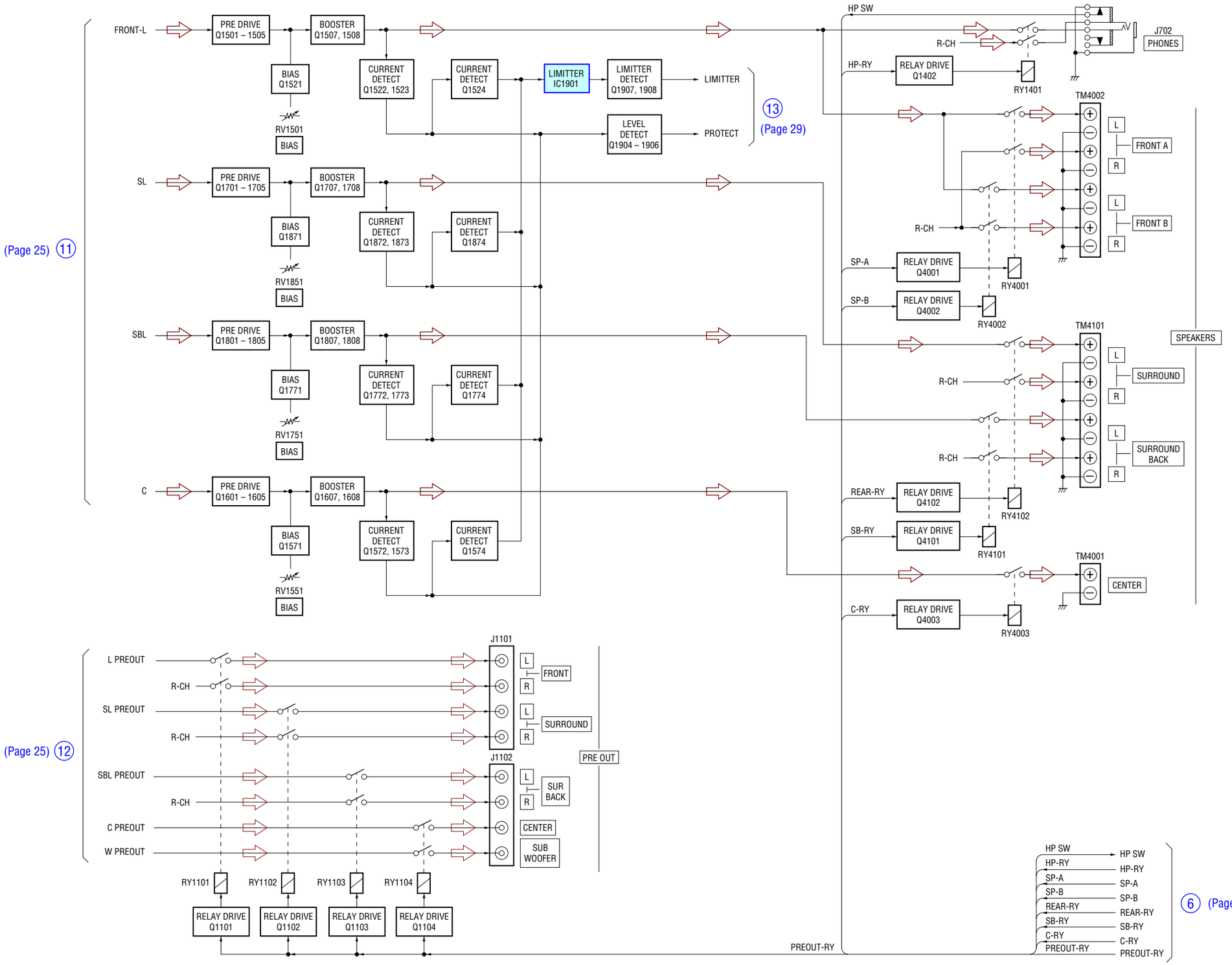
6-3. BLOCK DIAGRAM – HDMI Section –



6-4. BLOCK DIAGRAM – ANALOG AUDIO Section –

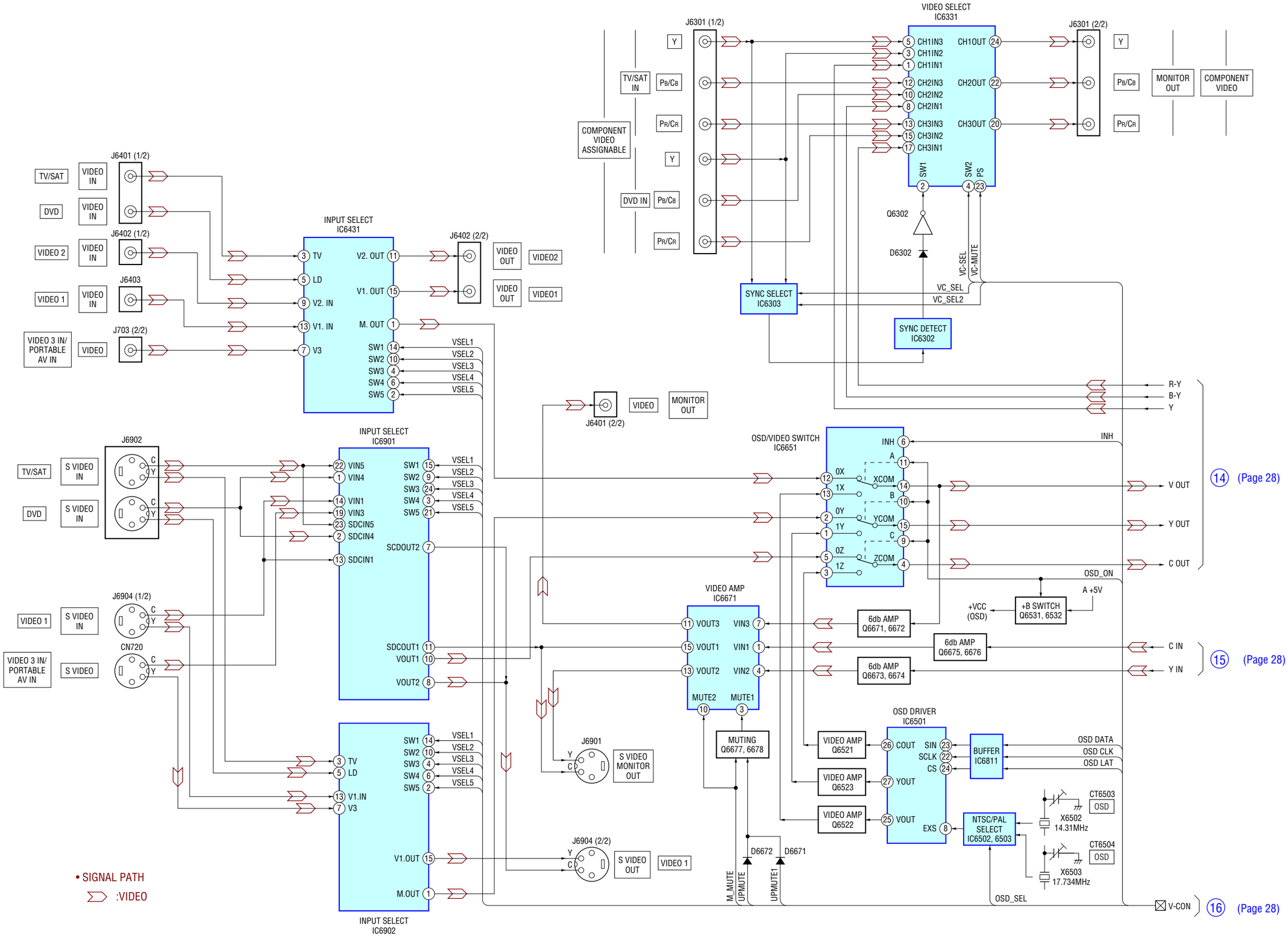


6-5. BLOCK DIAGRAM – POWER AMP Section –

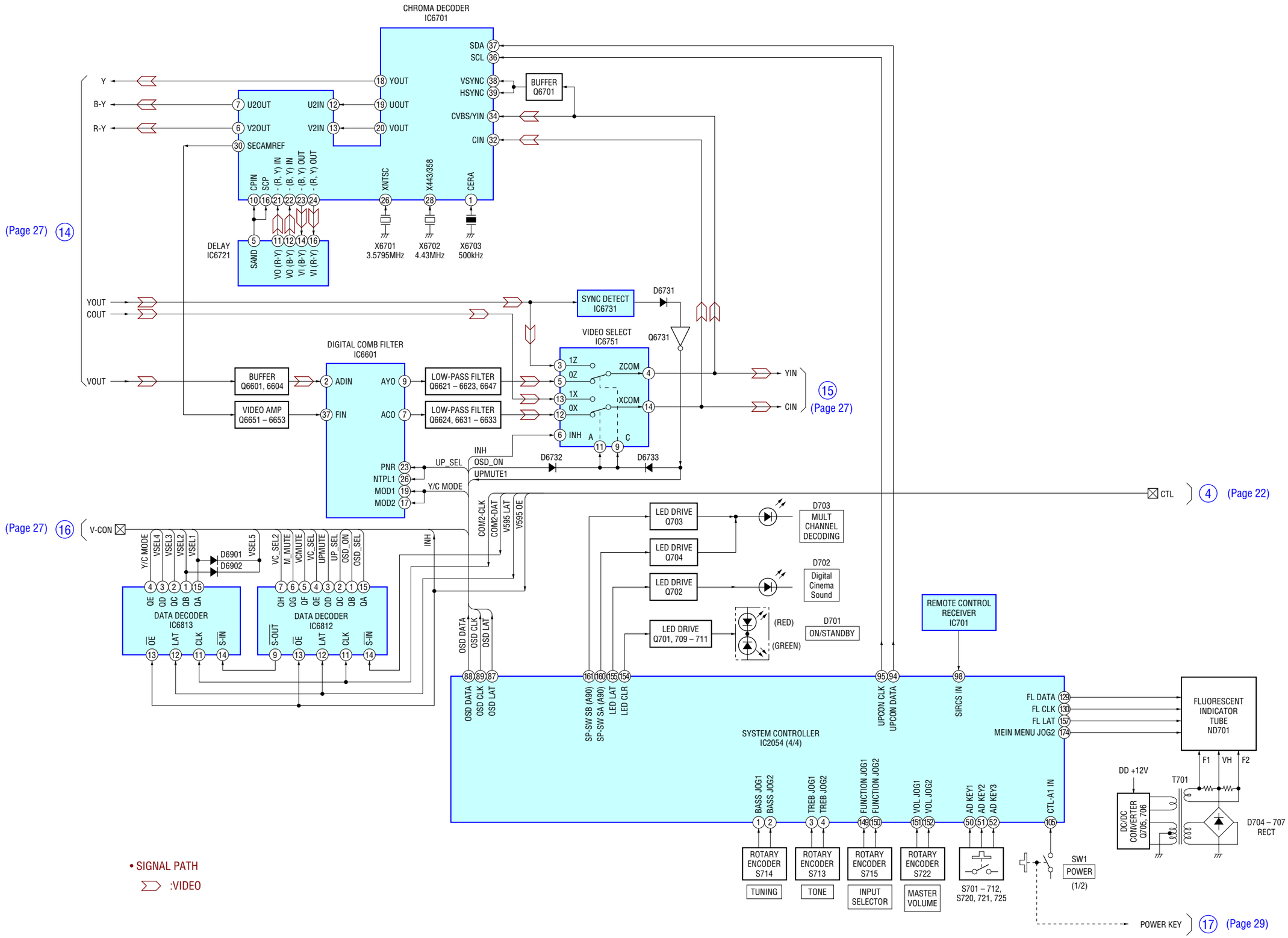


- R-CH is omitted due to same as L-CH.
- SIGNAL PATH
  : AUDIO (ANALOG)

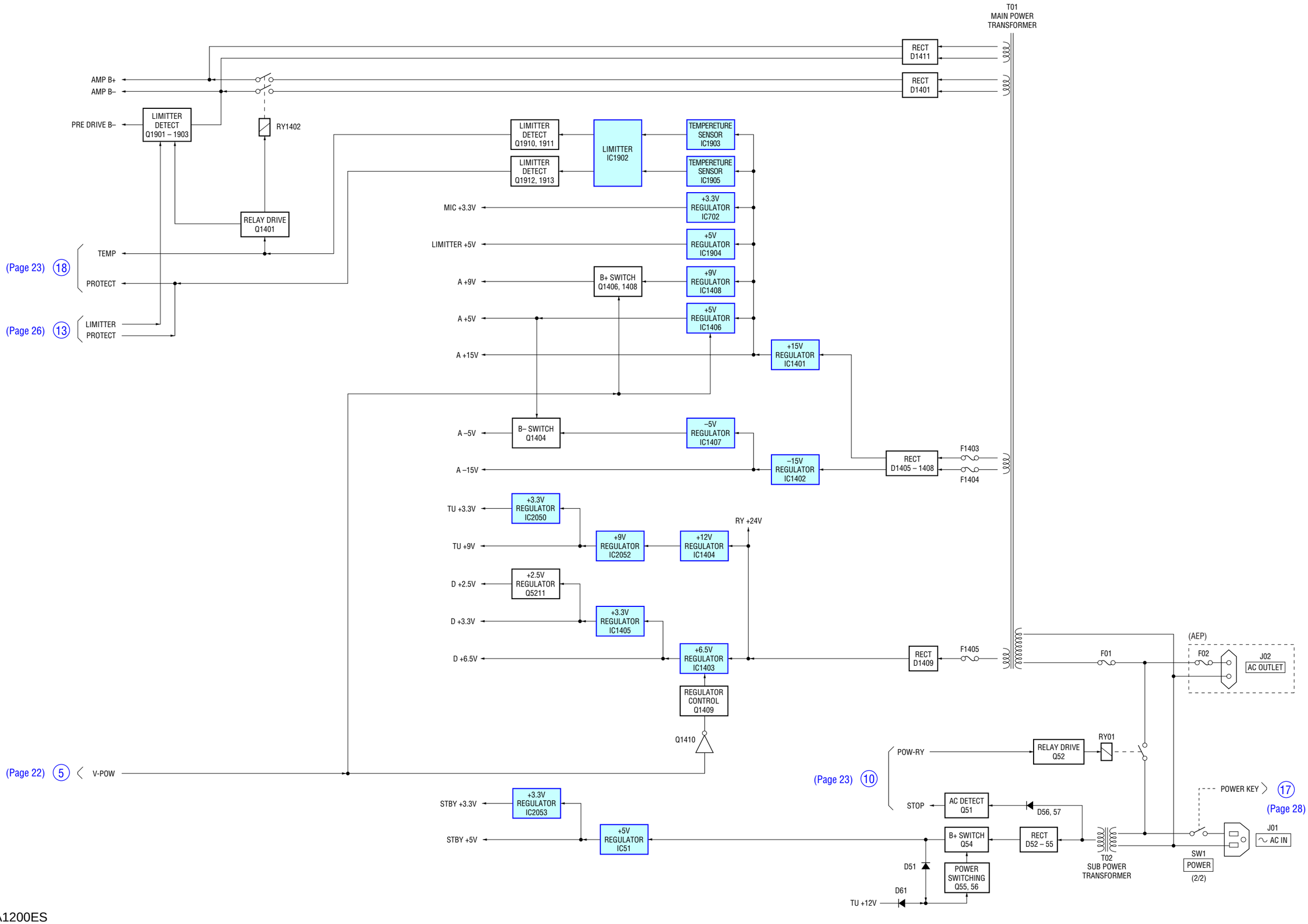
6-6. BLOCK DIAGRAM – VIDEO Section –



6-7. BLOCK DIAGRAM – DISPLAY Section –



6-8. BLOCK DIAGRAM – POWER SUPPLY Section –



• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

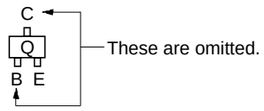
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- △ : internal component.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

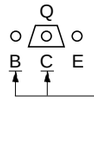
Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

- DSP, HDMI SW boards are multi-layer printed board. However, the patterns of intermediate-layers have not been included in this diagrams.
- Indication of transistor



These are omitted.



These are omitted.

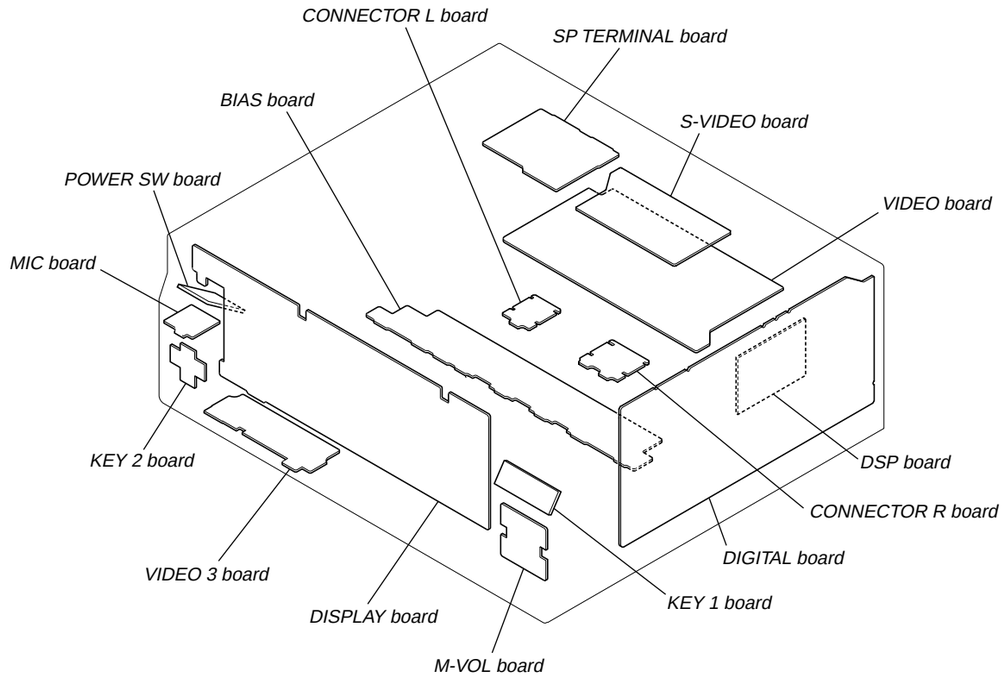
Note on Schematic Diagram:

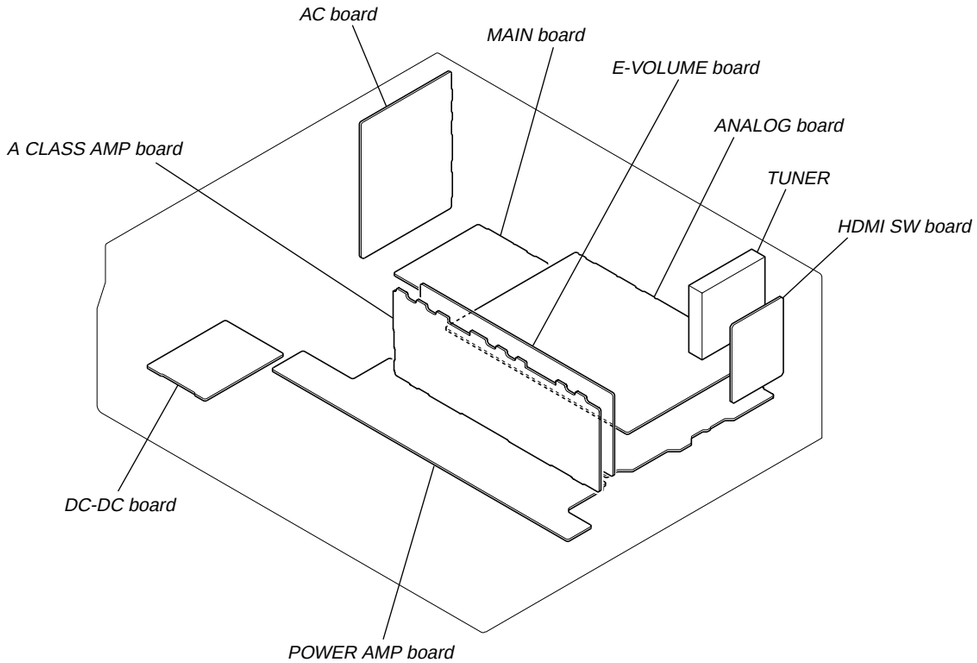
- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

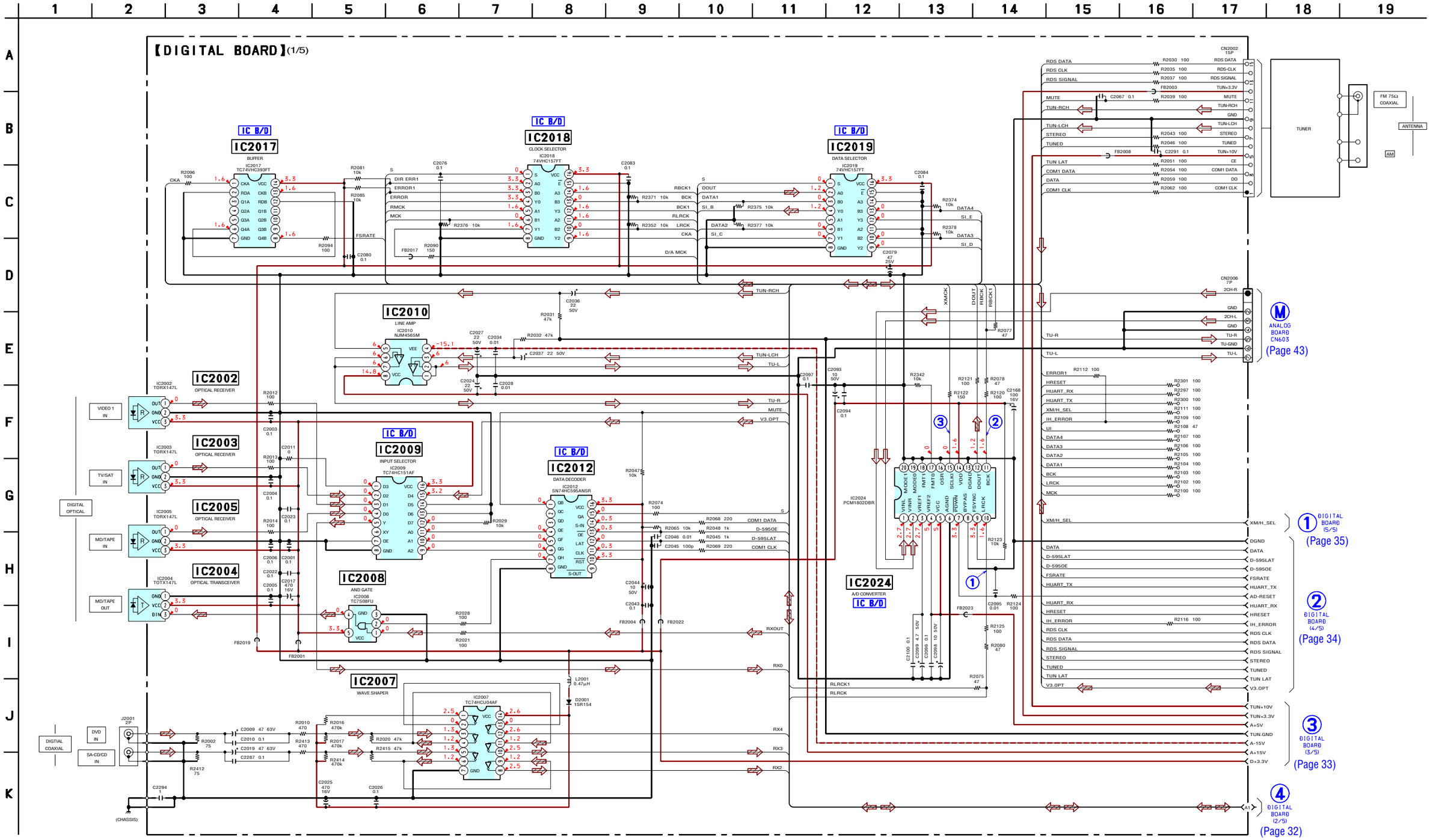
- ▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  – VIDEO, S-VIDEO boards –
  no mark : VIDEO 1 mode
  – Other boards –
  no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10 MW). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : AUDIO (ANALOG)
  : AUDIO (DIGITAL)
  : VIDEO

• Circuit Boards Location



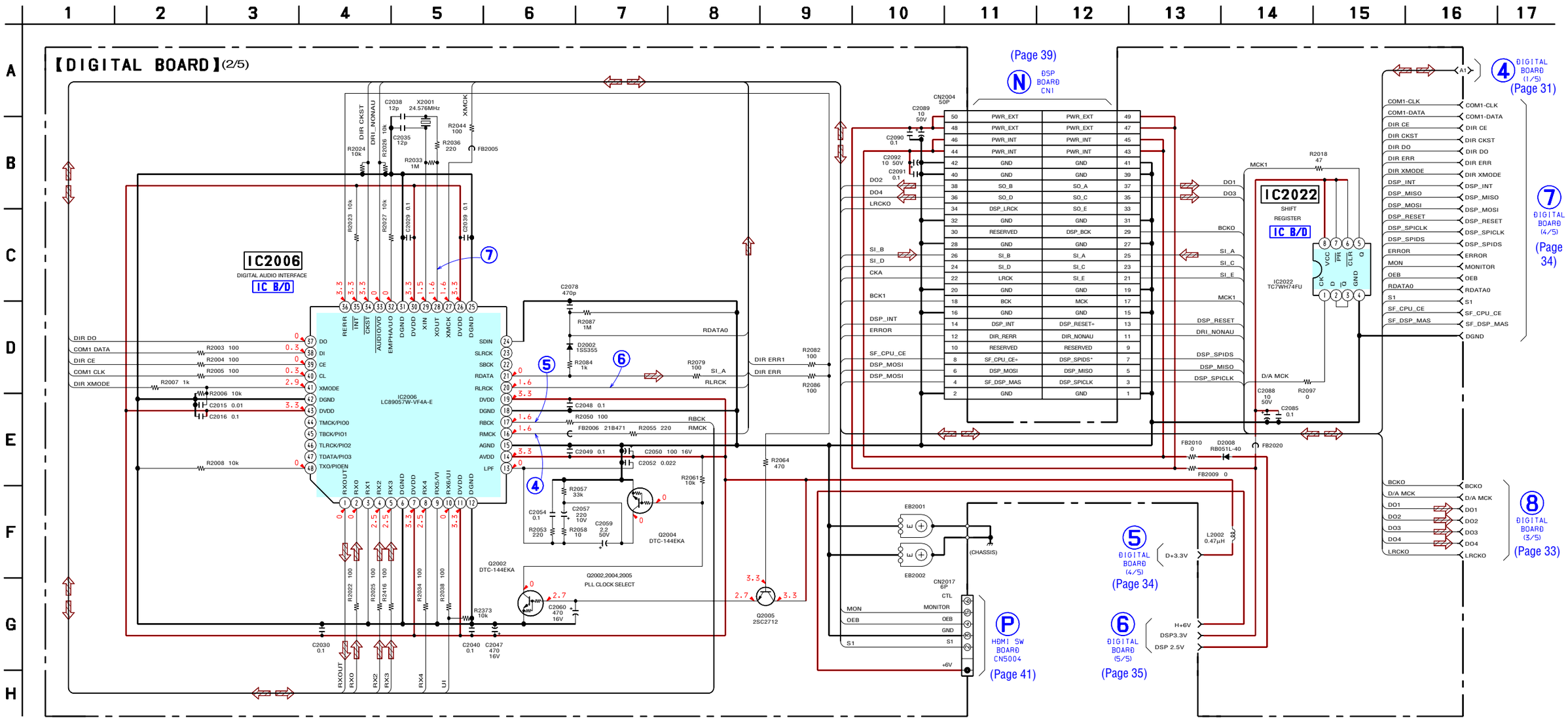


6-9. SCHEMATIC DIAGRAM – DIGITAL Board (1/5) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.

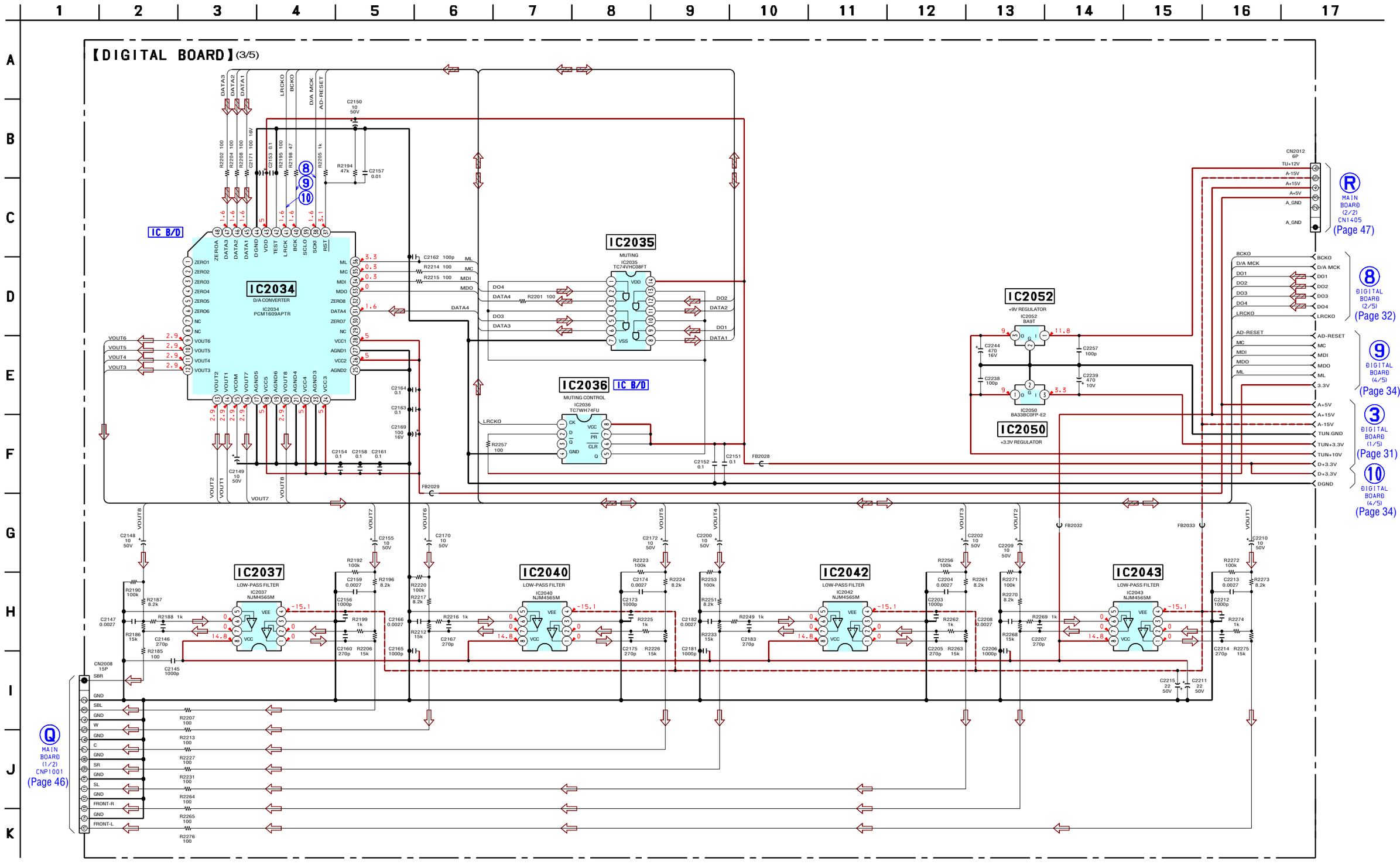


6-10. SCHEMATIC DIAGRAM – DIGITAL Board (2/5) –

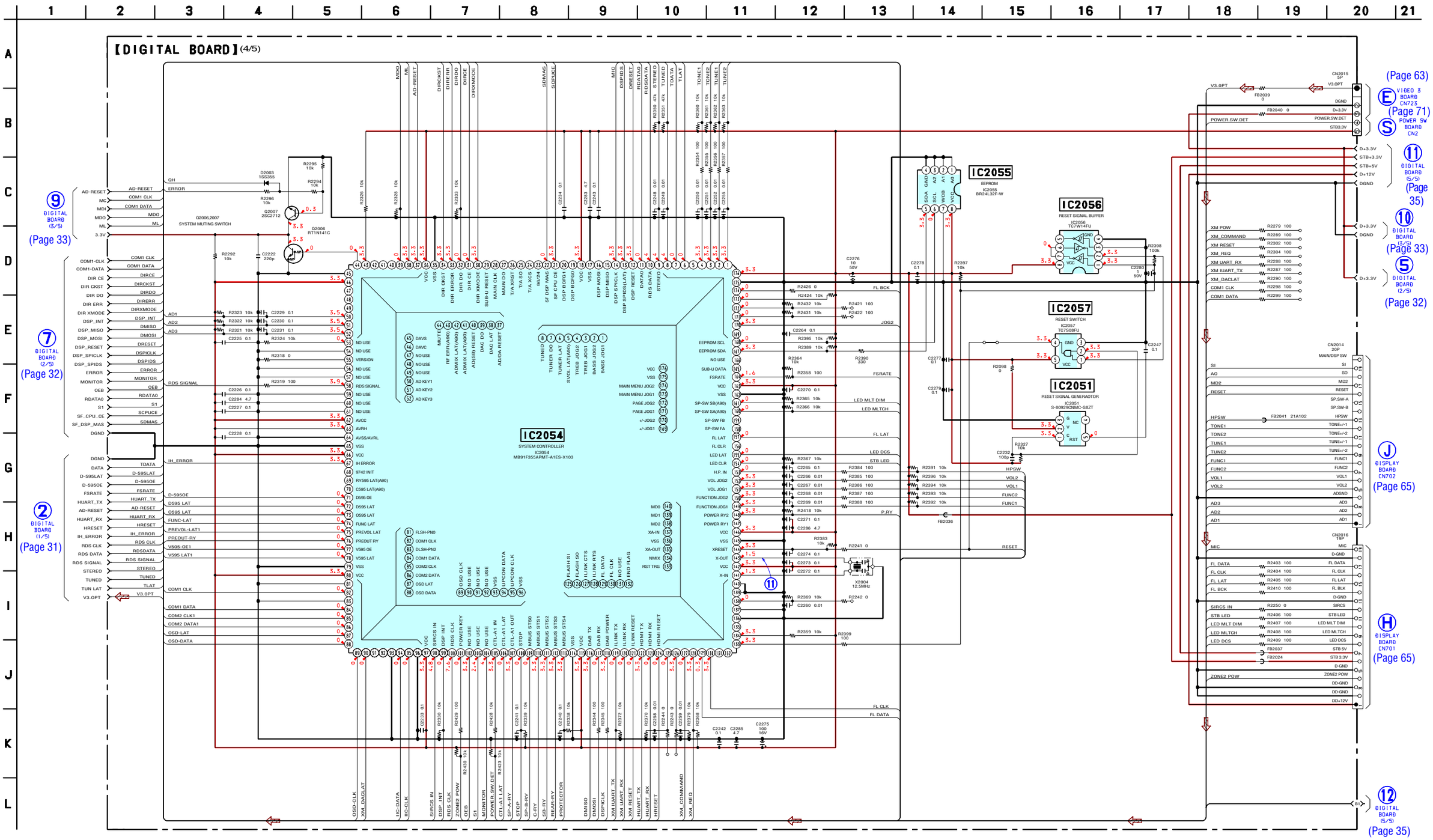
• See page 44 for Waveforms. • See page 72 for IC Block Diagrams.



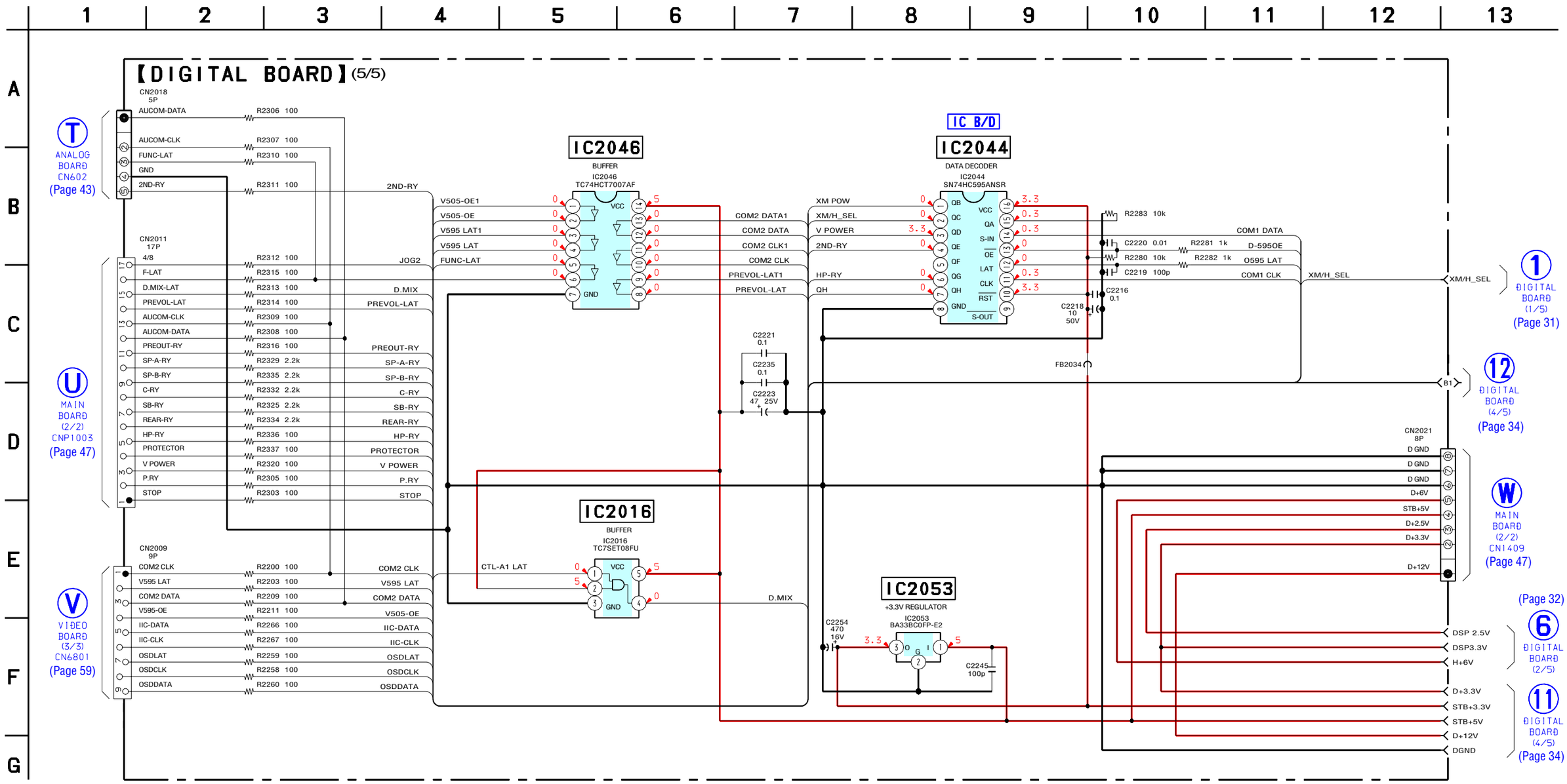
6-11. SCHEMATIC DIAGRAM – DIGITAL Board (3/5) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.



6-12. SCHEMATIC DIAGRAM – DIGITAL Board (4/5) – • See page 44 for Waveforms. • See page 83 for IC Pin Function Description.

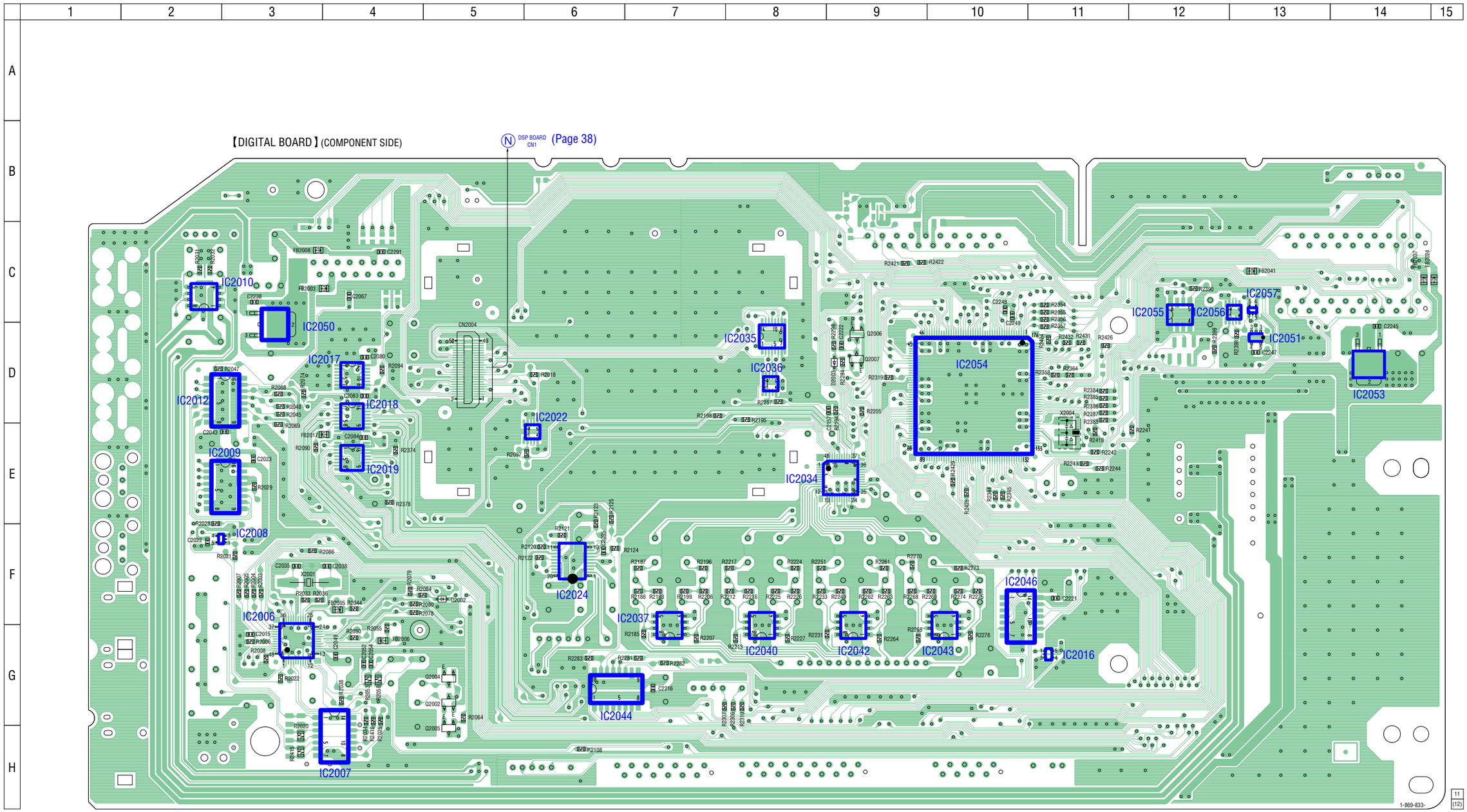


6-13. SCHEMATIC DIAGRAM – DIGITAL Board (5/5) – • See page 72 for IC Block Diagrams.



6-14. PRINTED WIRING BOARD – DIGITAL Board (Component Side) –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

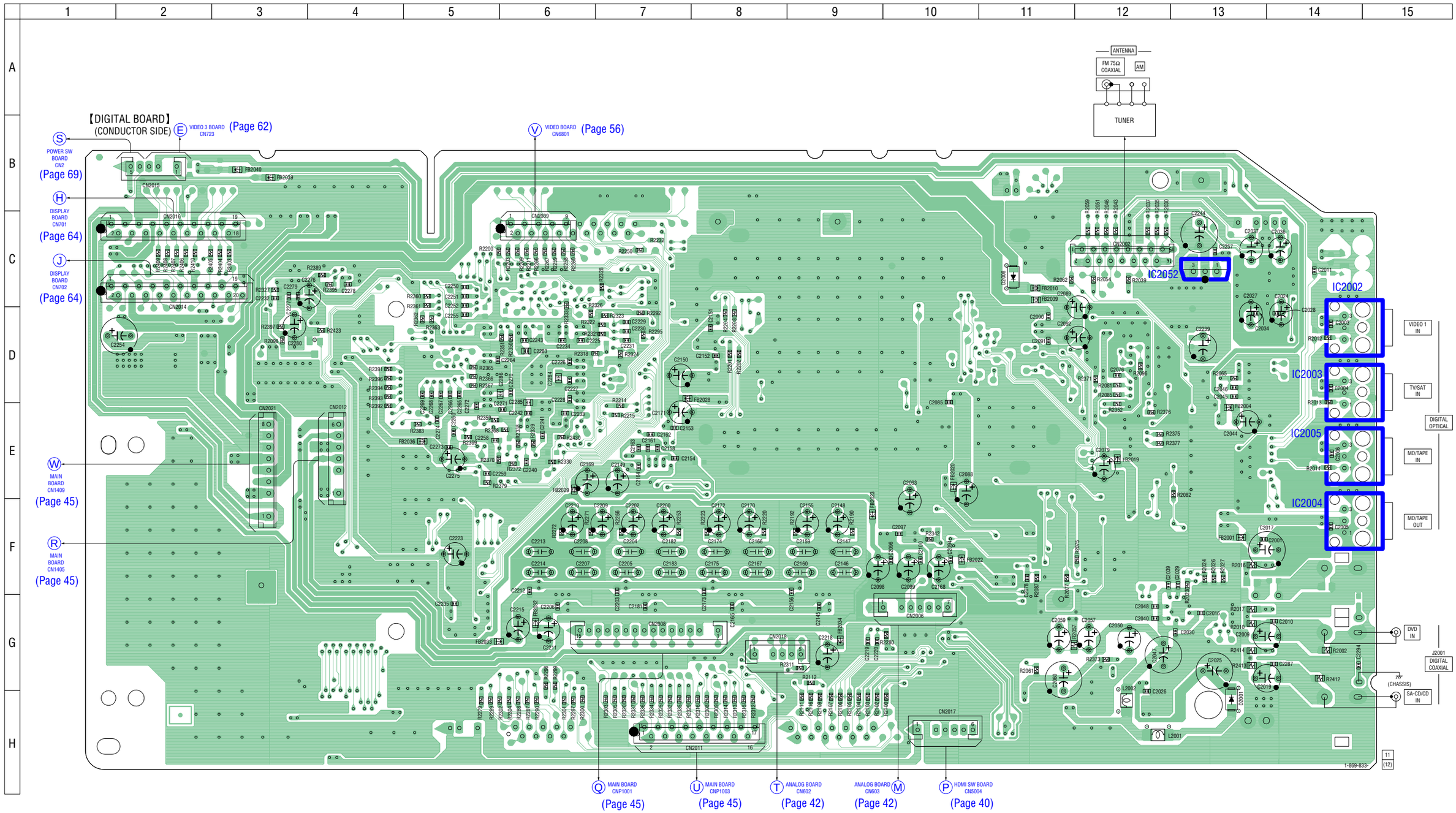


- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2002	F-5	IC2022	E-6	IC2053	D-14
D2003	D-9	IC2024	F-6	IC2054	D-10
		IC2034	E-9	IC2055	C-12
IC2006	G-3	IC2035	D-8	IC2056	C-13
IC2007	H-4	IC2036	D-8	IC2057	C-13
IC2008	F-3	IC2037	G-7		
IC2009	E-3	IC2040	G-8	Q2002	G-5
IC2010	C-2	IC2042	G-9	Q2004	G-5
IC2012	D-3	IC2043	G-10	Q2005	H-5
IC2016	G-11	IC2044	G-6	Q2006	D-9
IC2017	D-4	IC2046	F-10	Q2007	D-9
IC2018	D-4	IC2050	D-3		
IC2019	E-4	IC2051	D-13		

6-15. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.



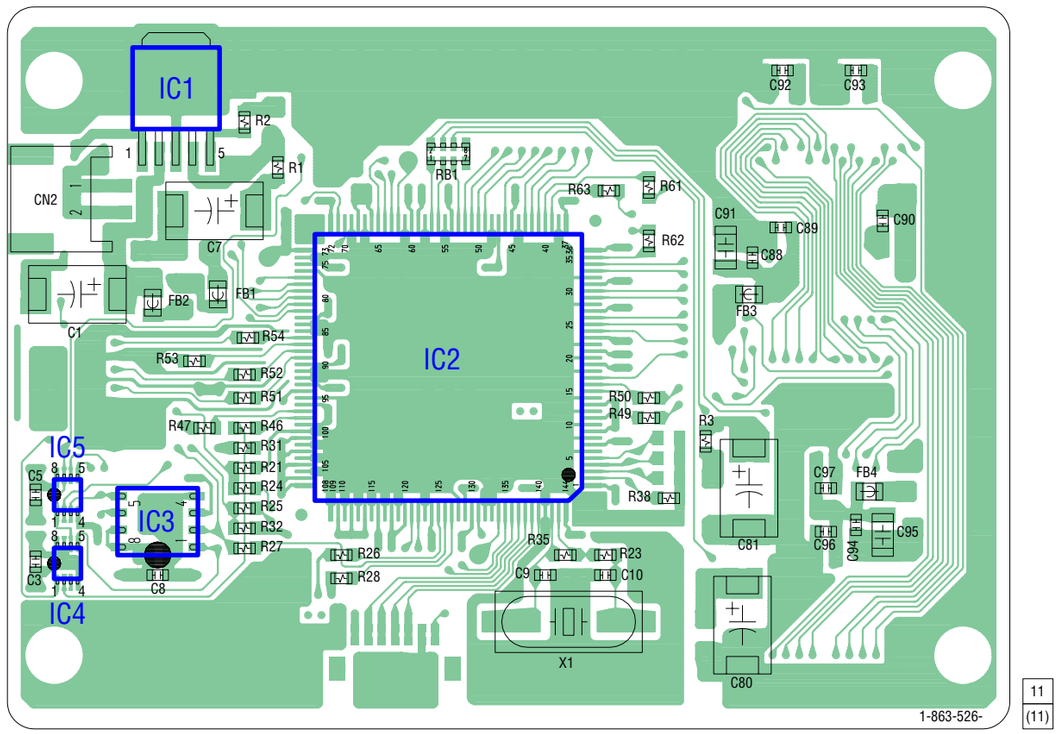
• **Semiconductor Location**

Ref. No.	Location
D2001	H-13
D2008	C-11
IC2002	D-14
IC2003	D-14
IC2004	F-14
IC2005	E-14
IC2052	C-12

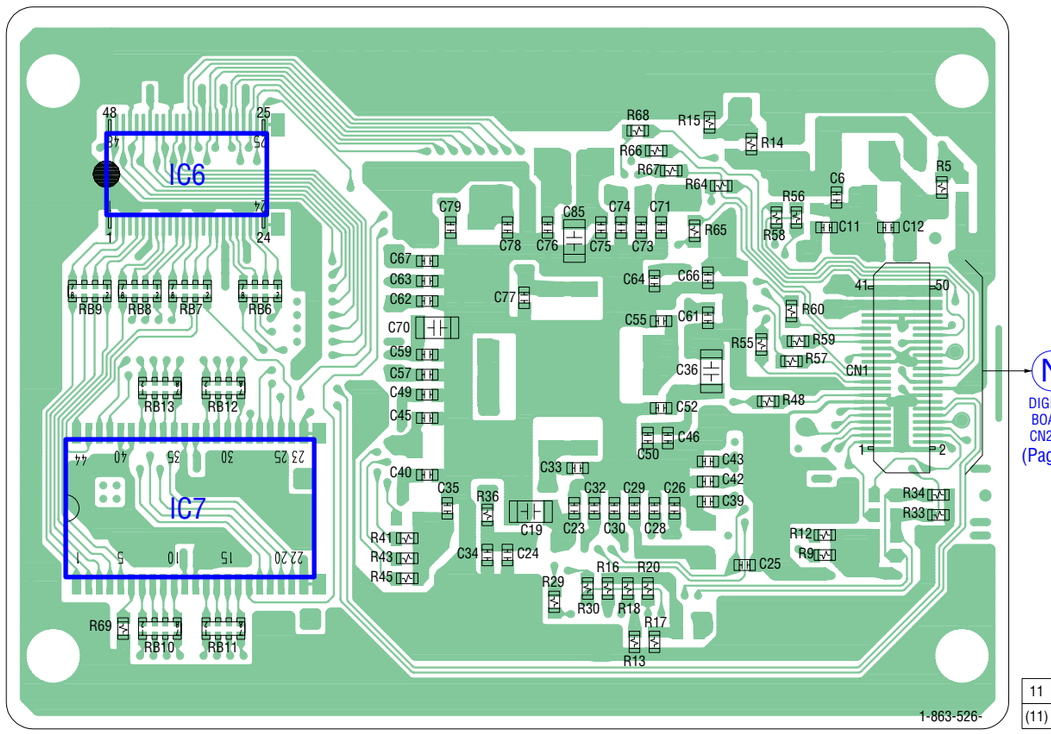
6-16. PRINTED WIRING BOARD – DSP Board –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

【DSP BOARD】(SIDE A)



【DSP BOARD】(SIDE B)

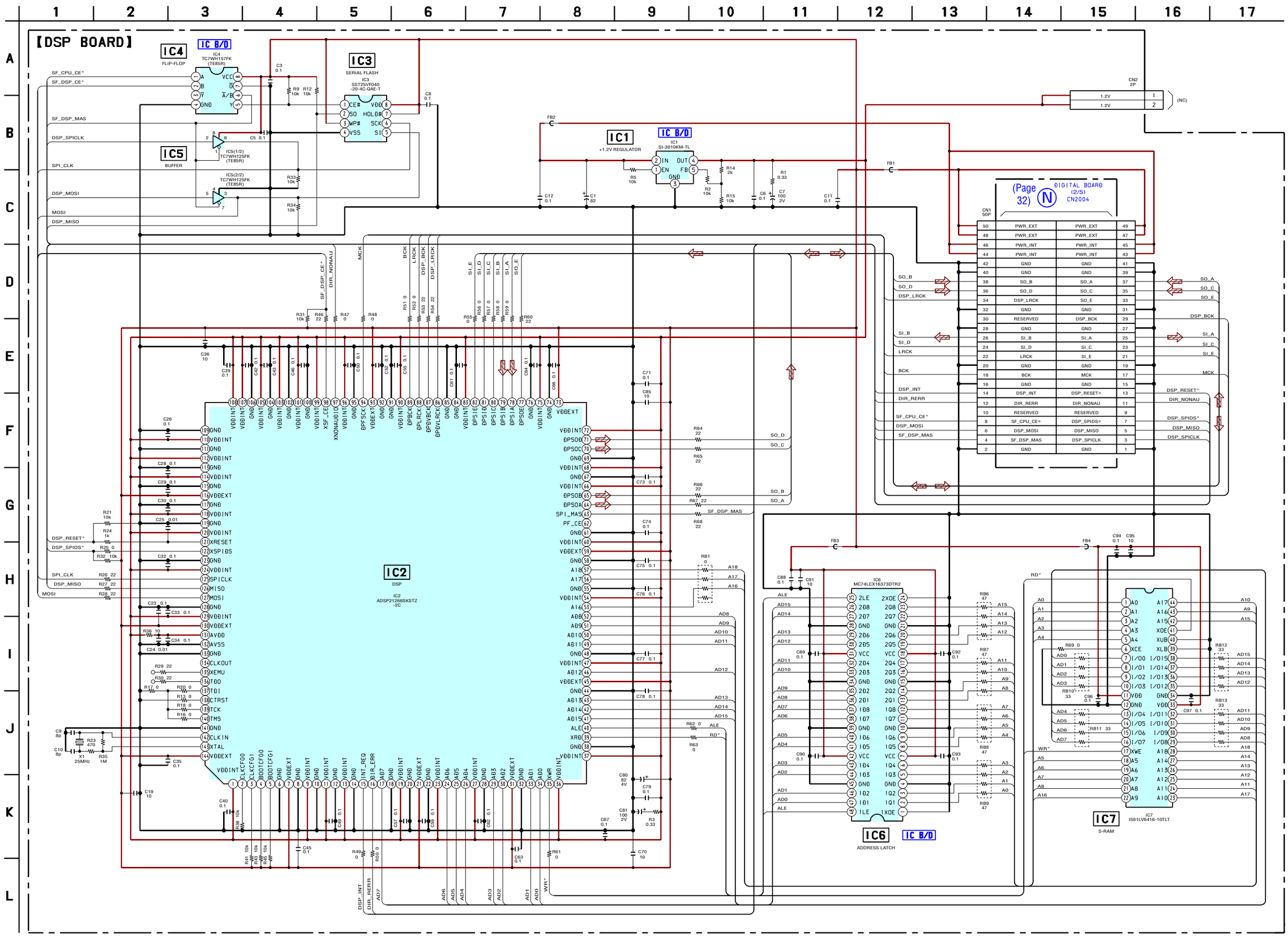


• **Semiconductor Location**

Ref. No.	Location
IC1	B-2
IC2	C-4
IC3	D-2
IC4	D-2
IC5	D-2
IC6	B-9
IC7	D-9

6-17. SCHEMATIC DIAGRAM – DSP Board –

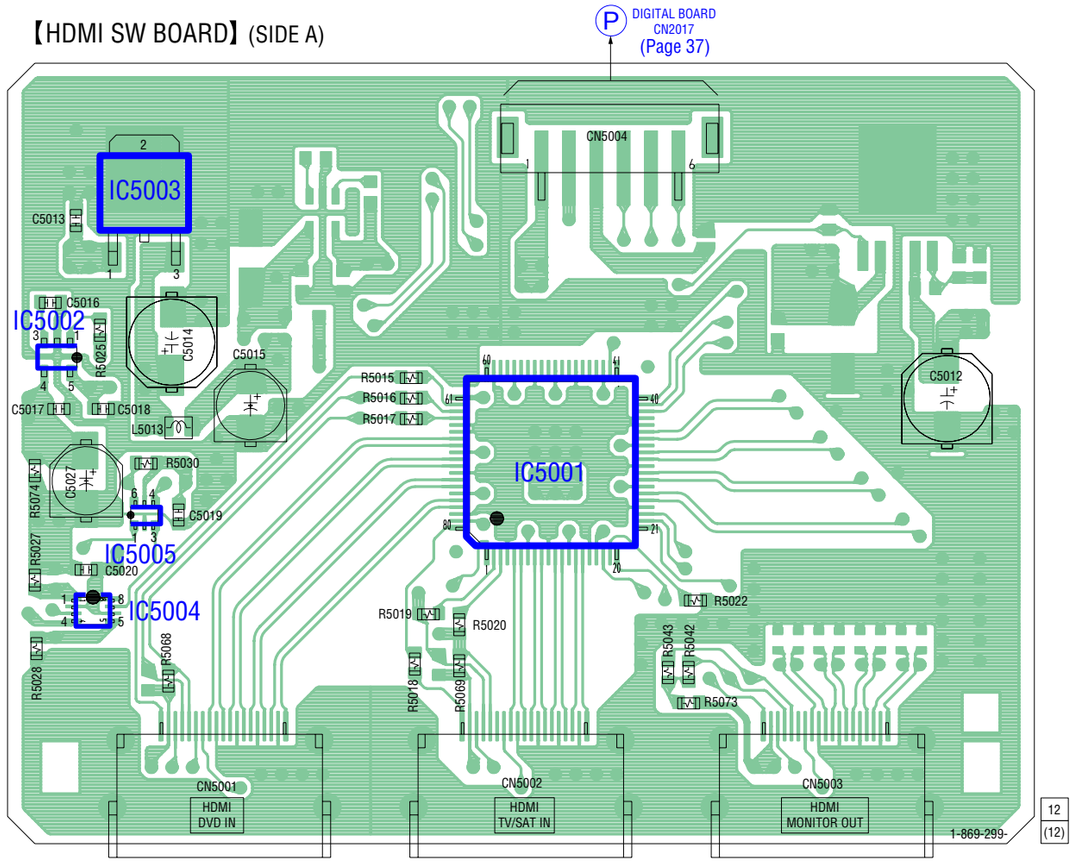
• See page 72 for IC Block Diagrams. • See page 83 for IC Pin Function Description.



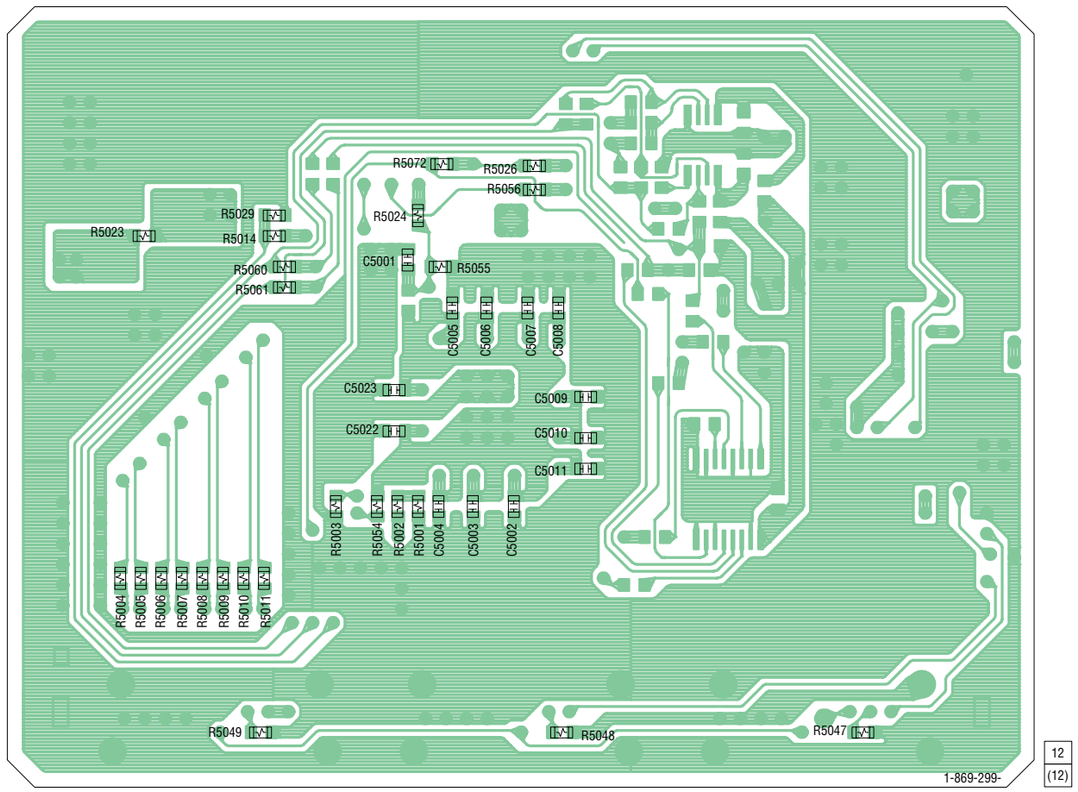
6-18. PRINTED WIRING BOARD – HDMI SW Board –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

【HDMI SW BOARD】(SIDE A)

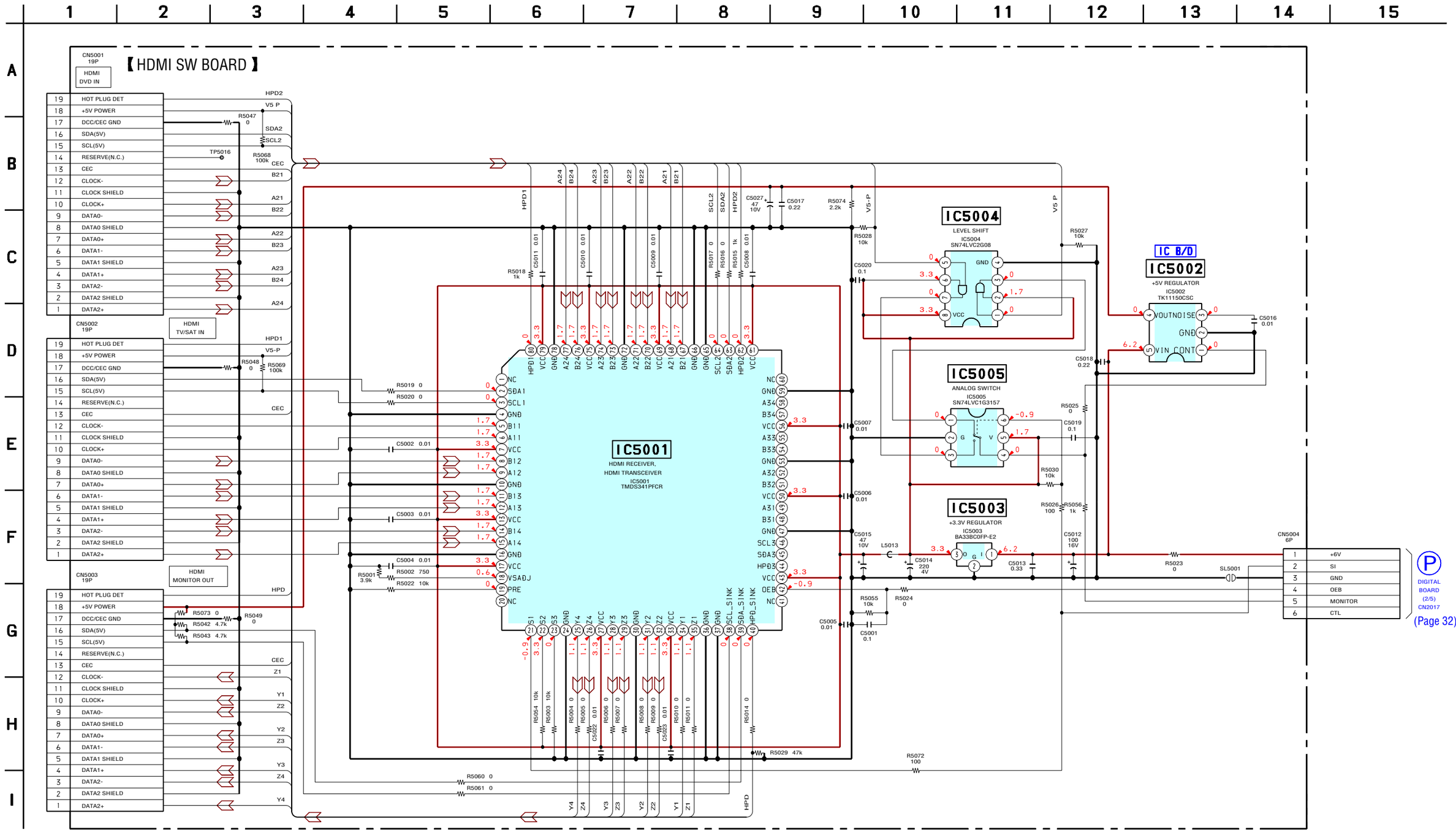


【HDMI SW BOARD】(SIDE B)



6-19. SCHEMATIC DIAGRAM – HDMI SW Board –

• See page 72 for IC Block Diagrams. • See page 83 for IC Pin Function Description.

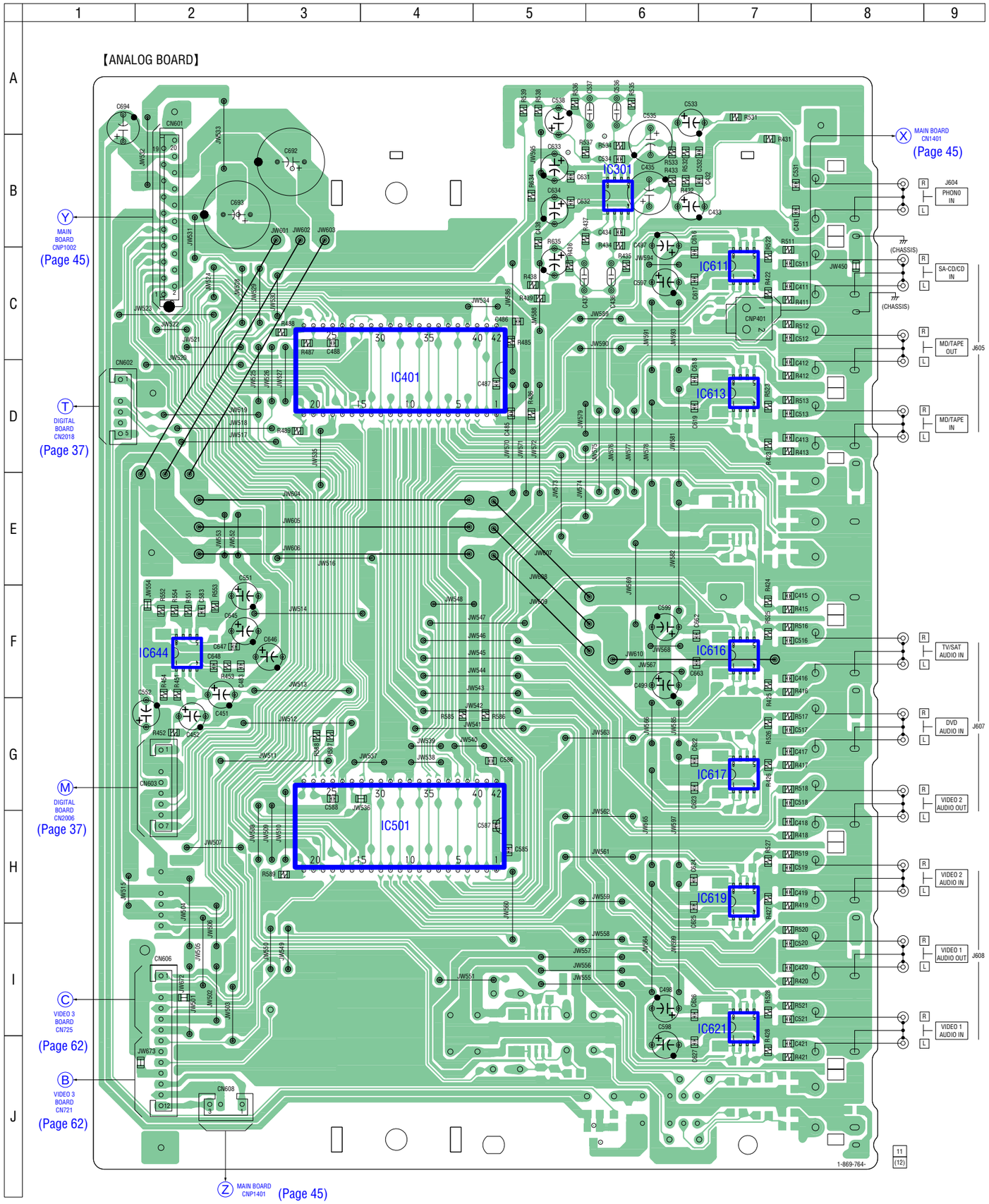


6-20. PRINTED WIRING BOARD – ANALOG Board –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

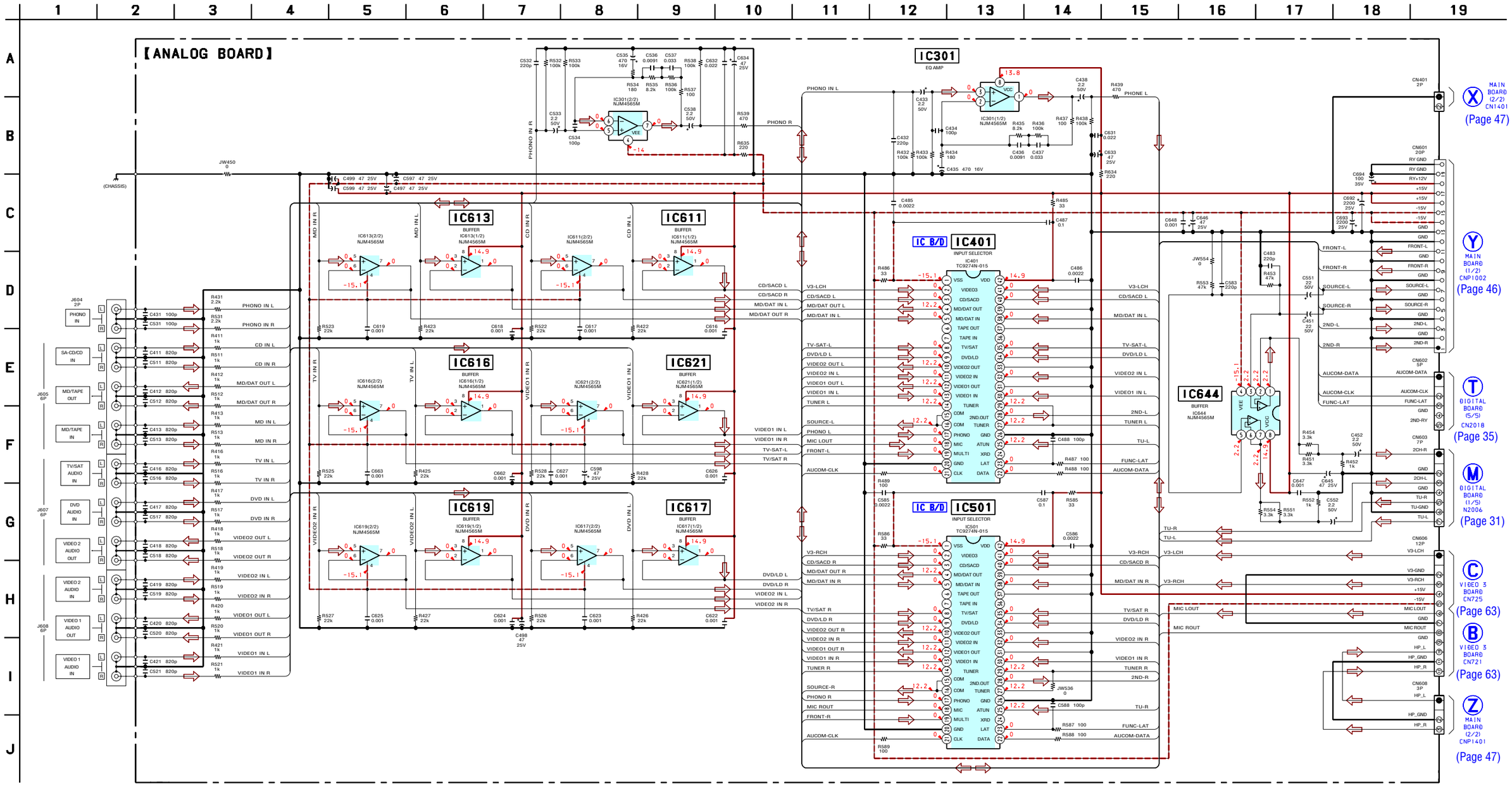
- **Semiconductor Location**

Ref. No.	Location
IC301	B-6
IC401	D-4
IC501	H-4
IC611	C-7
IC613	D-7
IC616	F-7
IC617	G-7
IC619	H-7
IC621	I-7
IC644	F-2



6-21. SCHEMATIC DIAGRAM – ANALOG Board –

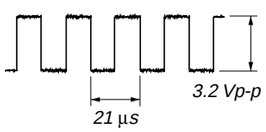
• See page 72 for IC Block Diagrams.



- **Waveforms**

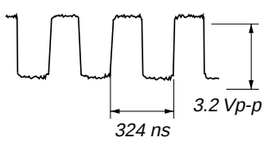
– DIGITAL Board –

(1) IC2024 ⑩ (LRCK)



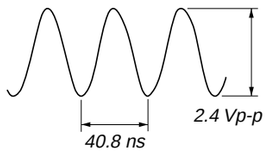
1 V/DIV, 10 µs/DIV

(2) IC2024 ⑪ (BCK)



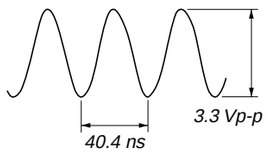
1 V/DIV, 200 ns/DIV

(3) IC2024 ⑮ (SCLKI)



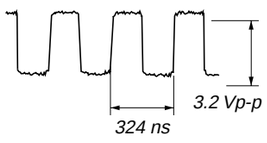
1 V/DIV, 20 ns/DIV

(4) IC2006 ⑯ (RMCK)



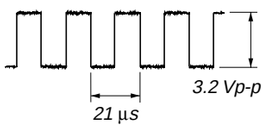
1 V/DIV, 20 ns/DIV

(5) IC2006 ⑰ (RBCK)



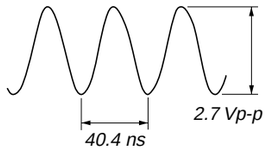
1 V/DIV, 200 ns/DIV

(6) IC2006 ⑳ (RLRCK)



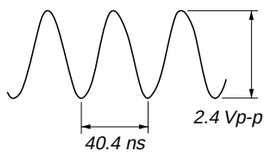
1 V/DIV, 10 µs/DIV

(7) IC2006 ㉘ (XOUT)



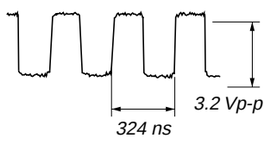
1 V/DIV, 20 ns/DIV

(8) IC2034 ㊳ (SCKI)



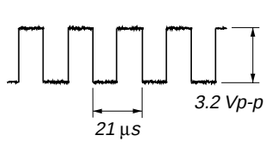
1 V/DIV, 20 ns/DIV

(9) IC2034 ㊵ (VLK)



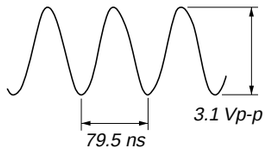
1 V/DIV, 200 ns/DIV

(10) IC2034 ㊶ (LRCK)



1 V/DIV, 10 µs/DIV

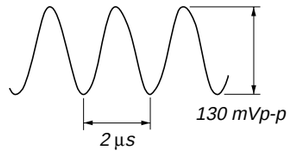
(11) IC2054 ㊸ (X-OUT)



1 V/DIV, 50 ns/DIV

– VIDEO Board –

(21) IC6701 ① (CERA) (VIDEO 1 mode)

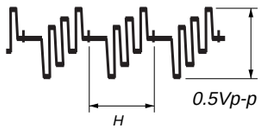


100 mV/DIV, 1 µs/DIV

(22) IC6701 ⑥ (V2OUT) (VIDEO 1 mode)

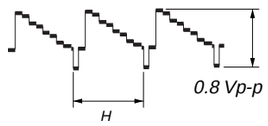
200 mV/DIV, 20 µs/DIV

(23) IC6701 ⑦ (U2OUT) (VIDEO 1 mode)



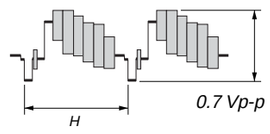
200 mV/DIV, 20 µs/DIV

(24) IC6701 ⑱ (YOUT) (VIDEO 1 mode)



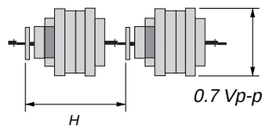
200 mV/DIV, 20 µs/DIV

(25) IC6431 ⑬ (V1. IN) (VIDEO 1 mode)



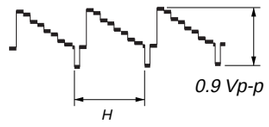
200 mV/DIV, 20 µs/DIV

(26) IC6671 ① (VIN1) (VIDEO 1 mode)



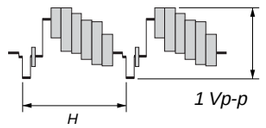
200 mV/DIV, 20 µs/DIV

(27) IC6671 ④ (VIN2) (VIDEO 1 mode)



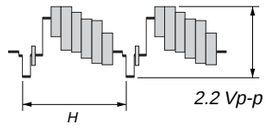
500 mV/DIV, 20 µs/DIV

(28) IC6671 ⑦ (VIN3) (VIDEO 1 mode)



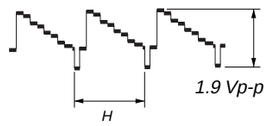
500 mV/DIV, 20 µs/DIV

(29) IC6671 ⑪ (VOUT3) (VIDEO 1 mode)



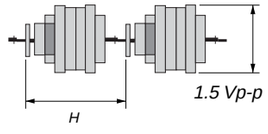
1 V/DIV, 20 µs/DIV

(30) IC6671 ⑬ (VOUT2) (VIDEO 1 mode)



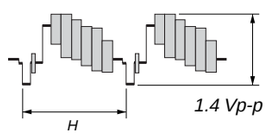
1 V/DIV, 20 µs/DIV

(31) IC6671 ⑮ (VOUT1) (VIDEO 1 mode)



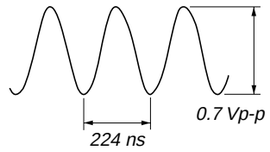
1 V/DIV, 20 µs/DIV

(32) IC6601 ① (CLPO) (VIDEO 1 mode)



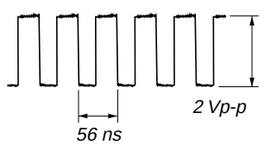
1 V/DIV, 20 µs/DIV

(33) IC6601 ㊲ (FIN) (VIDEO 1 mode)



200 mV/DIV, 100 ns/DIV

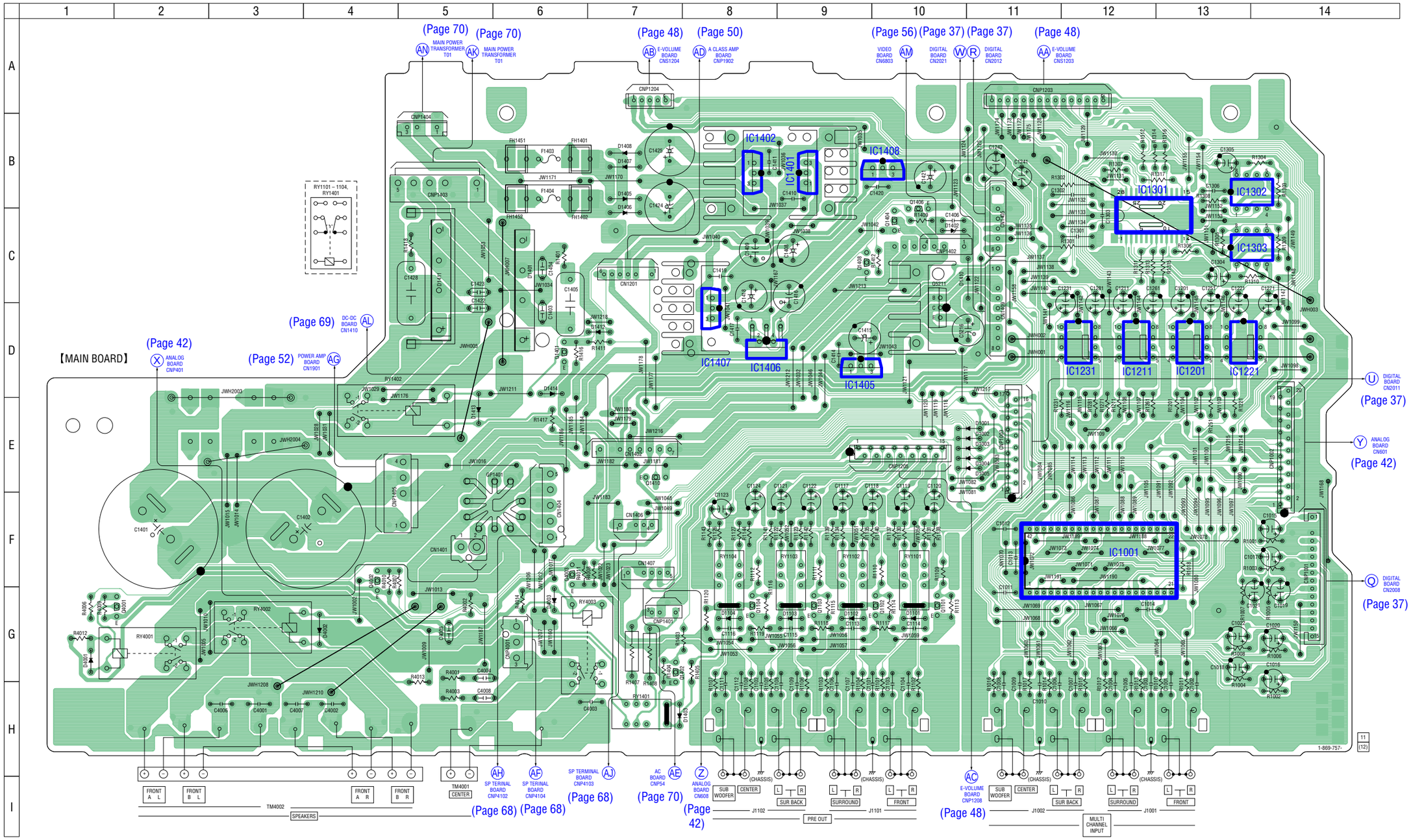
(34) IC6601 ㊵ (MCKO) (VIDEO 1 mode)



1 V/DIV, 20 ns/DIV

6-22. PRINTED WIRING BOARD – MAIN Board –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

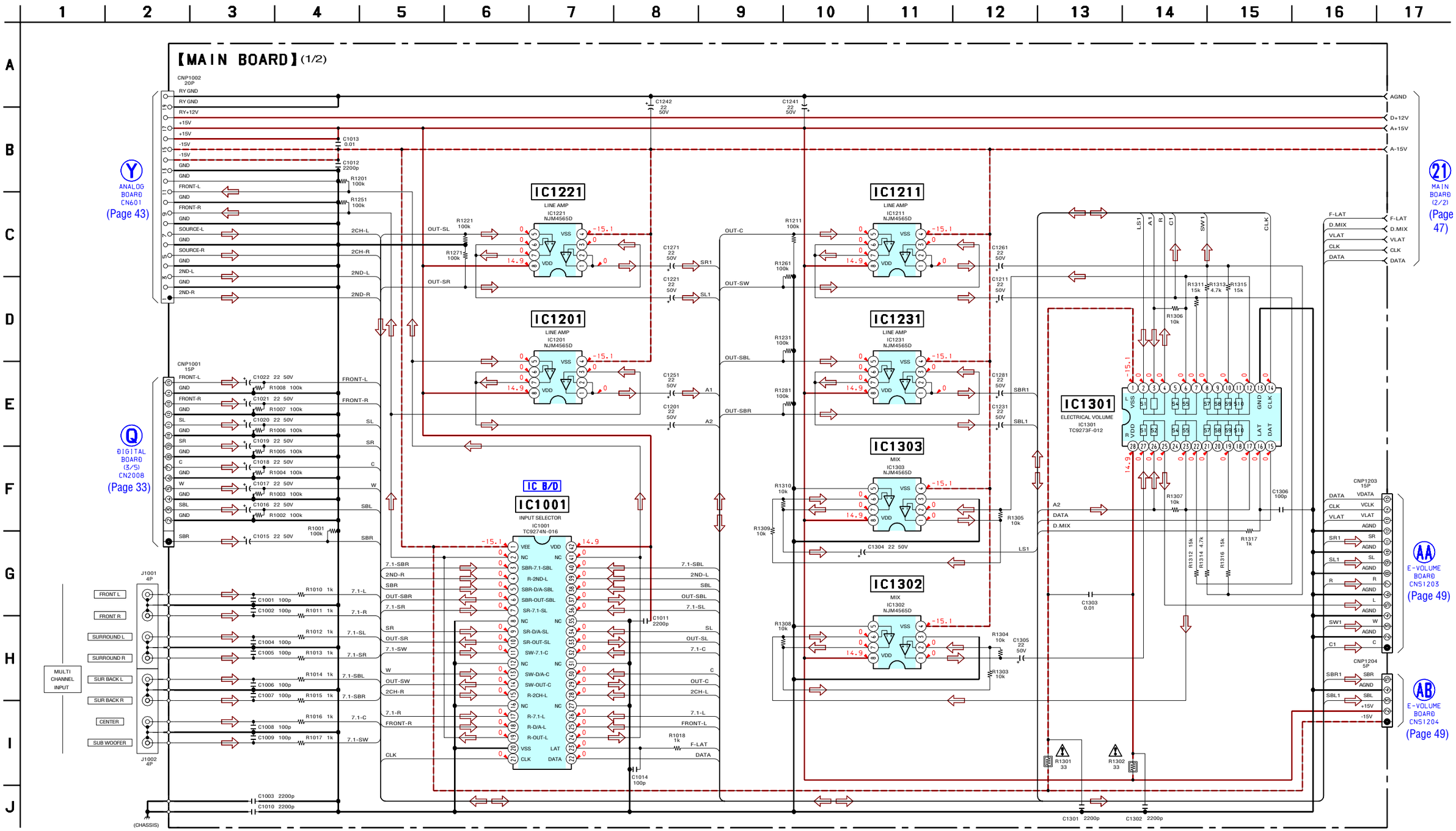


• Semiconductor Location

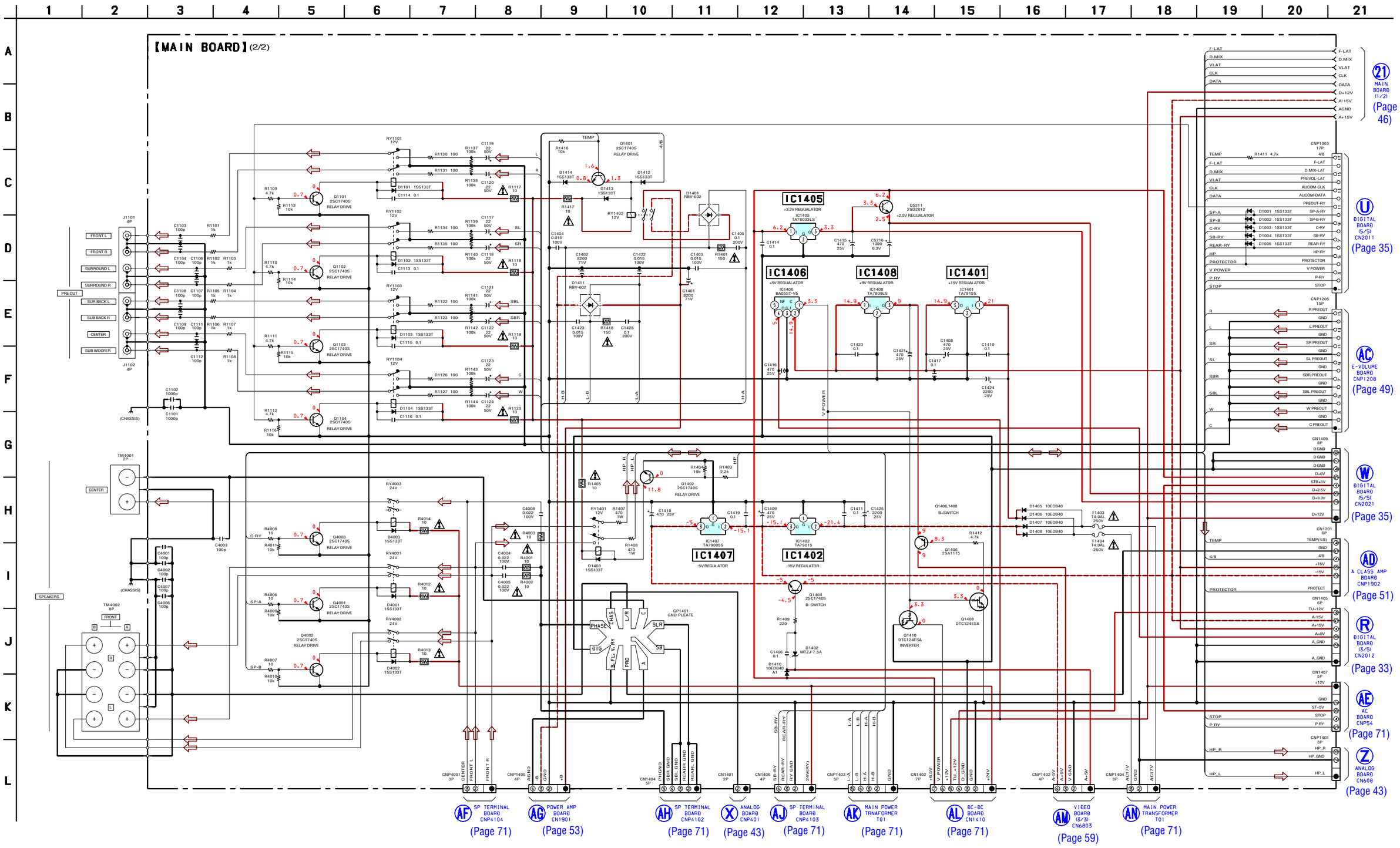
Ref. No.	Location
D1001	E-11
D1002	E-11
D1003	E-11
D1004	E-11
D1005	E-11
D1101	G-10
D1102	G-9
D1103	G-9
D1104	G-8
D1401	C-6
D1402	C-10
D1403	H-7
D1405	B-7
D1406	C-7
D1407	B-7
D1408	B-7
D1410	C-11
D1411	C-5
D1412	D-7
D1413	E-5
D1414	D-6
D4001	G-1
D4002	G-4
D4003	G-6
IC1001	F-12
IC1201	D-13
IC1211	D-12
IC1221	D-13
IC1231	D-12
IC1301	C-12
IC1302	B-14
IC1303	C-14
IC1401	B-9
IC1402	B-8
IC1405	D-9
IC1406	D-8
IC1407	D-8
IC1408	B-10
Q1101	G-10
Q1102	G-10
Q1103	G-9
Q1104	G-8
Q1401	D-6
Q1402	G-7
Q1404	C-10
Q1406	C-10
Q1408	C-9
Q1410	E-7
Q4001	G-2
Q4002	F-4
Q4003	F-6
Q5211	D-10

6-23. SCHEMATIC DIAGRAM – MAIN Board (1/2) –

• See page 72 for IC Block Diagrams.



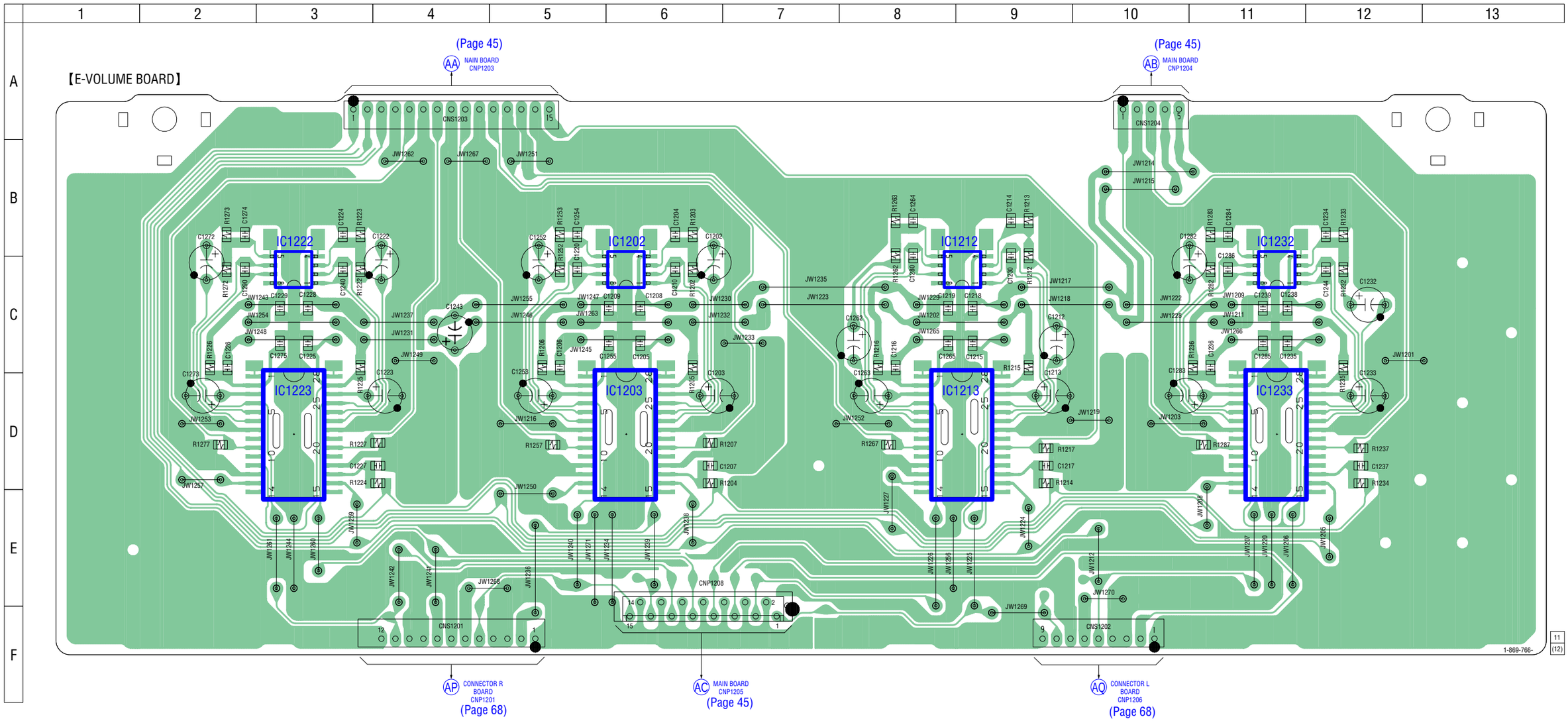
6-24. SCHEMATIC DIAGRAM – MAIN Board (2/2) –



6-25. PRINTED WIRING BOARD – E-VOLUME Board –

• See page 30 for Circuit Boards Location.

: Uses unleaded solder.

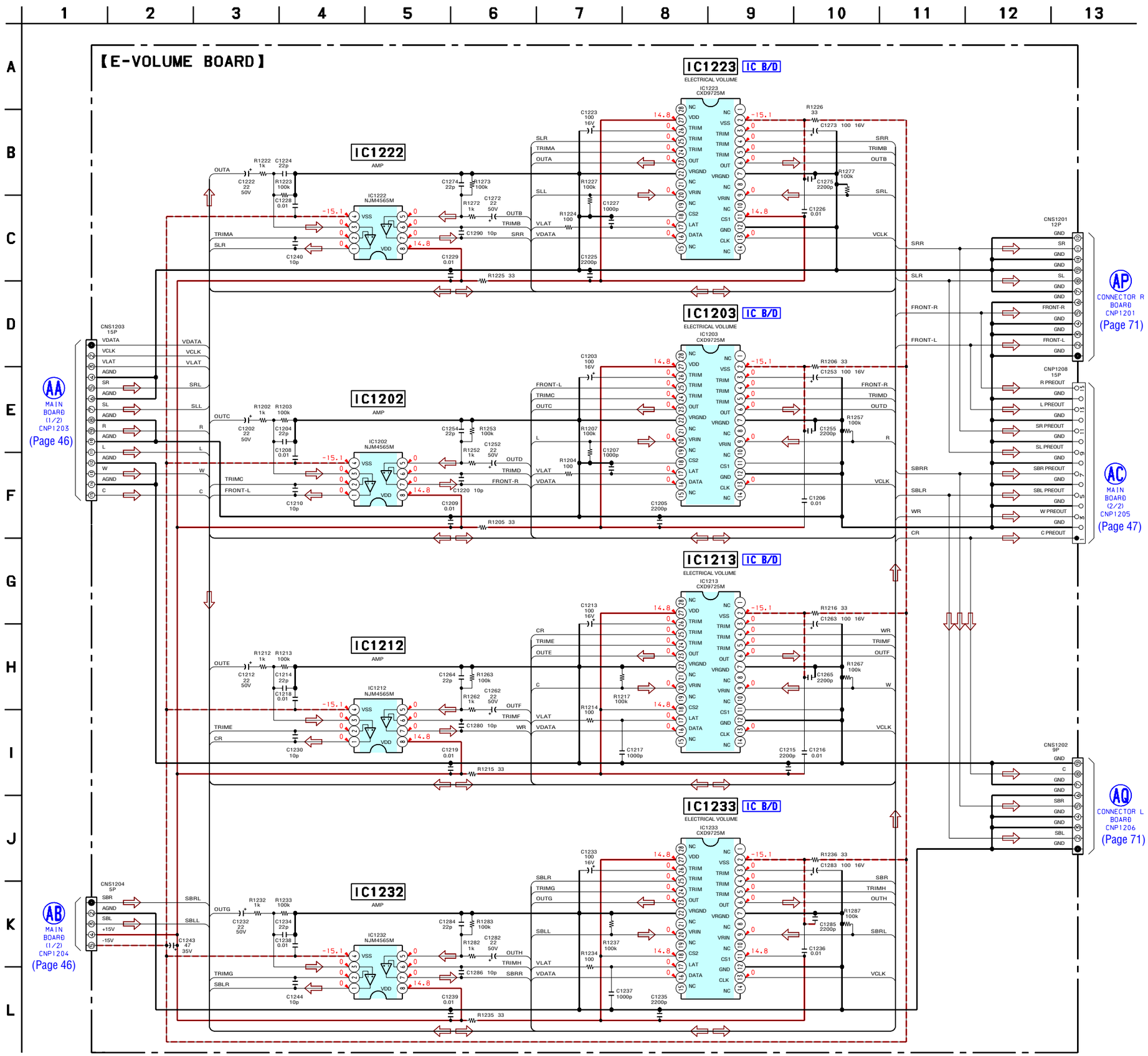


- **Semiconductor Location**

Ref. No.	Location
IC1202	C-6
IC1203	D-6
IC1212	C-9
IC1213	D-9
IC1222	C-3
IC1223	D-3
IC1232	C-11
IC1233	D-11

6-26. SCHEMATIC DIAGRAM – E-VOLUME Board –

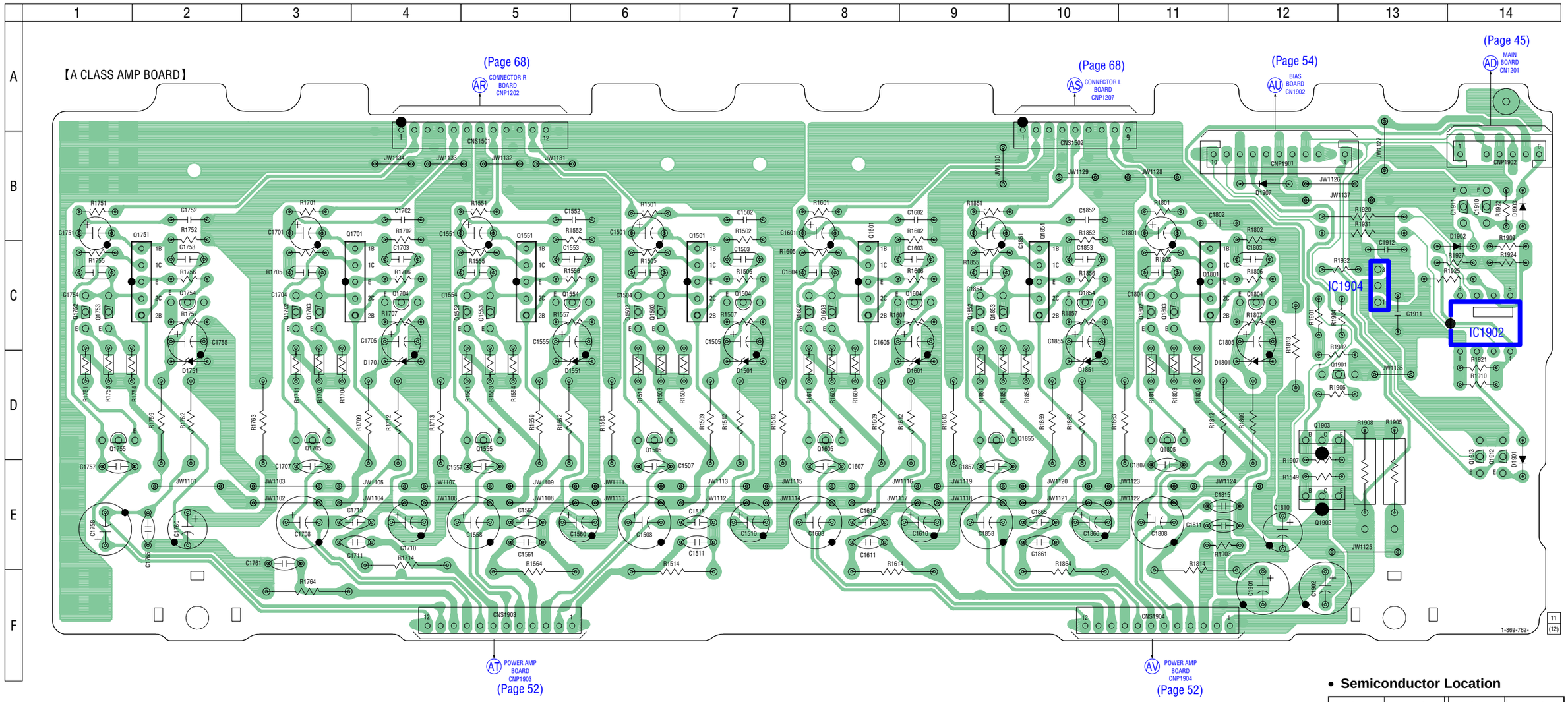
• See page 72 for IC Block Diagrams.



6-27. PRINTED WIRING BOARD – A CLASS AMP Board –

• See page 30 for Circuit Boards Location.

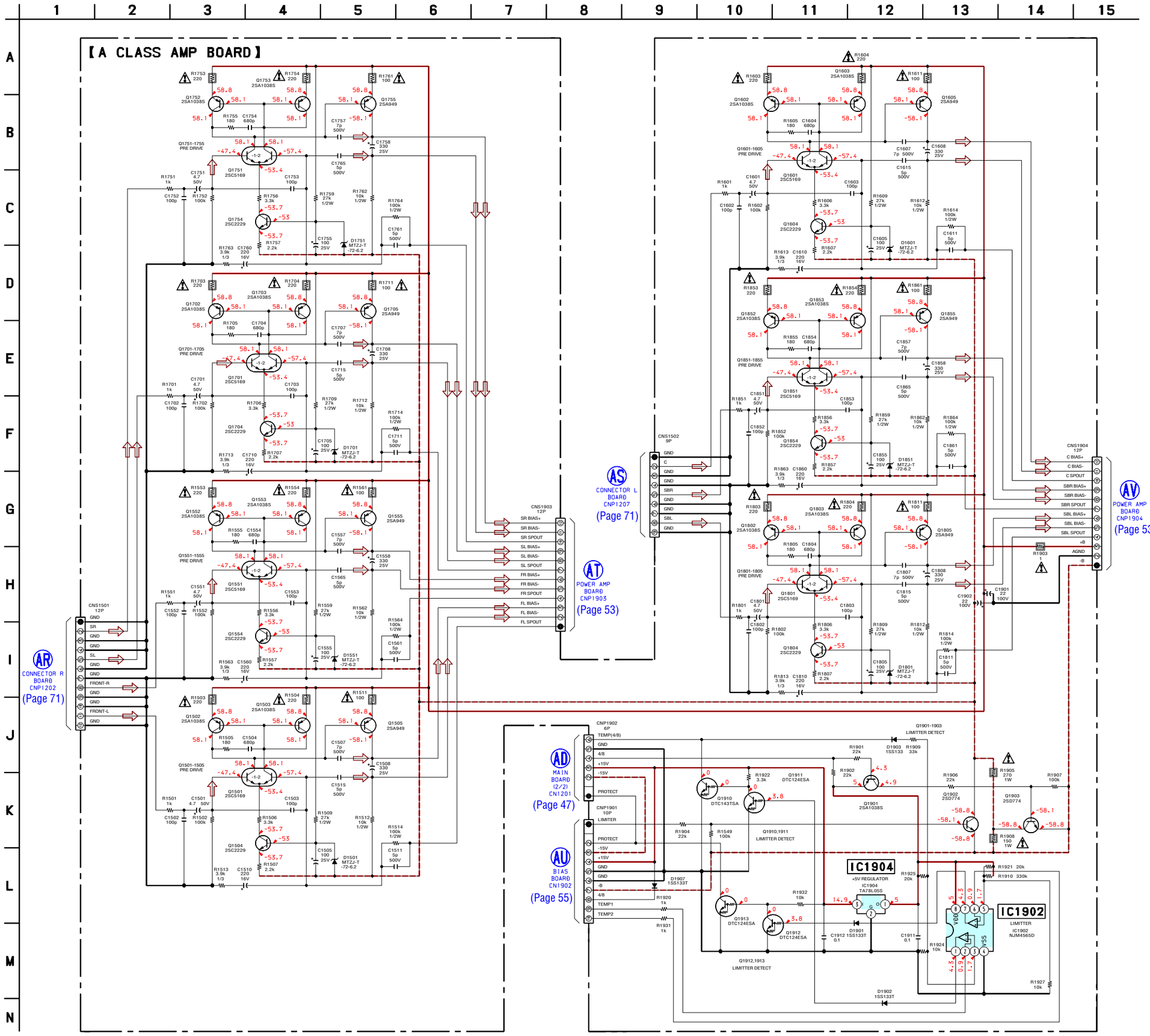
: Uses unleaded solder.



- **Semiconductor Location**

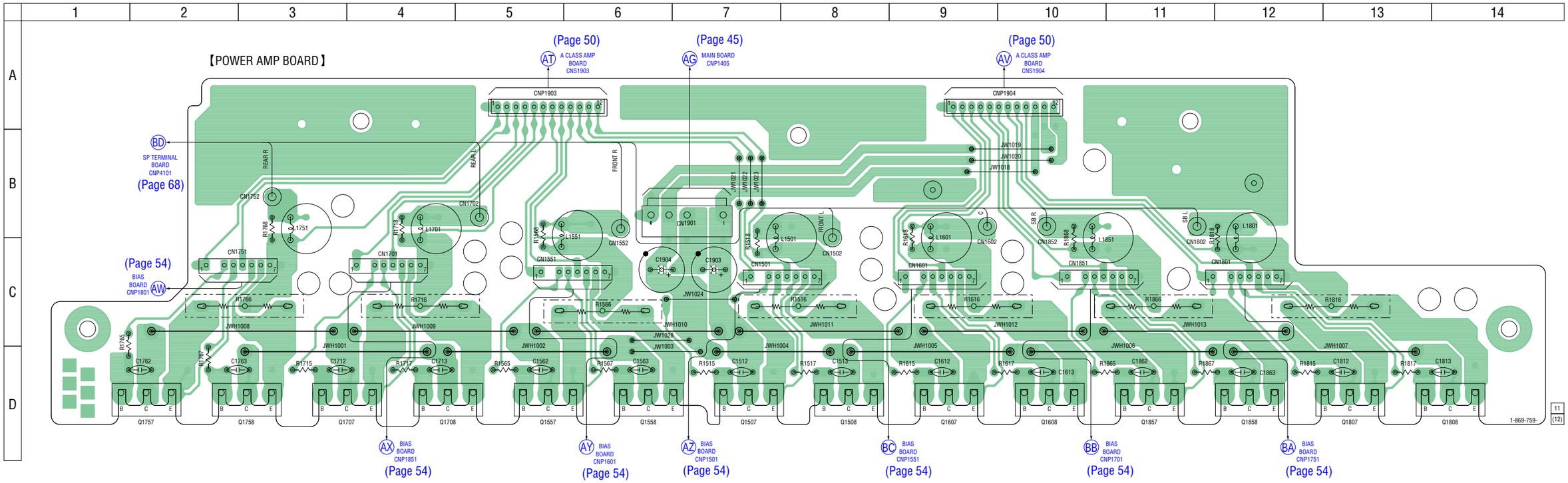
Ref. No.	Location	Ref. No.	Location
D1501	D-7	Q1605	D-8
D1551	D-6	Q1701	C-4
D1601	D-9	Q1702	C-3
D1701	D-4	Q1703	C-3
D1751	D-2	Q1704	C-4
D1801	D-12	Q1705	D-3
D1851	D-10	Q1751	C-2
D1901	D-14	Q1752	C-1
D1902	C-14	Q1753	C-1
D1903	B-14	Q1754	C-2
D1907	B-12	Q1755	D-1
		Q1801	C-11
IC1902	C-14	Q1802	C-11
IC1904	C-13	Q1803	C-11
		Q1804	C-12
Q1501	C-7	Q1805	D-11
Q1502	C-6	Q1851	C-10
Q1503	C-6	Q1852	C-9
Q1504	C-7	Q1853	C-9
Q1505	D-6	Q1854	C-10
Q1551	C-5	Q1855	D-9
Q1552	C-5	Q1901	D-13
Q1553	C-5	Q1902	E-12
Q1554	C-6	Q1903	D-12
Q1555	D-5	Q1910	B-14
Q1601	C-8	Q1911	B-14
Q1602	C-8	Q1912	D-14
Q1603	C-8	Q1913	D-14
Q1604	C-9		

6-28. SCHEMATIC DIAGRAM – A CLASS AMP Board –



6-29. PRINTED WIRING BOARD – POWER AMP Board –

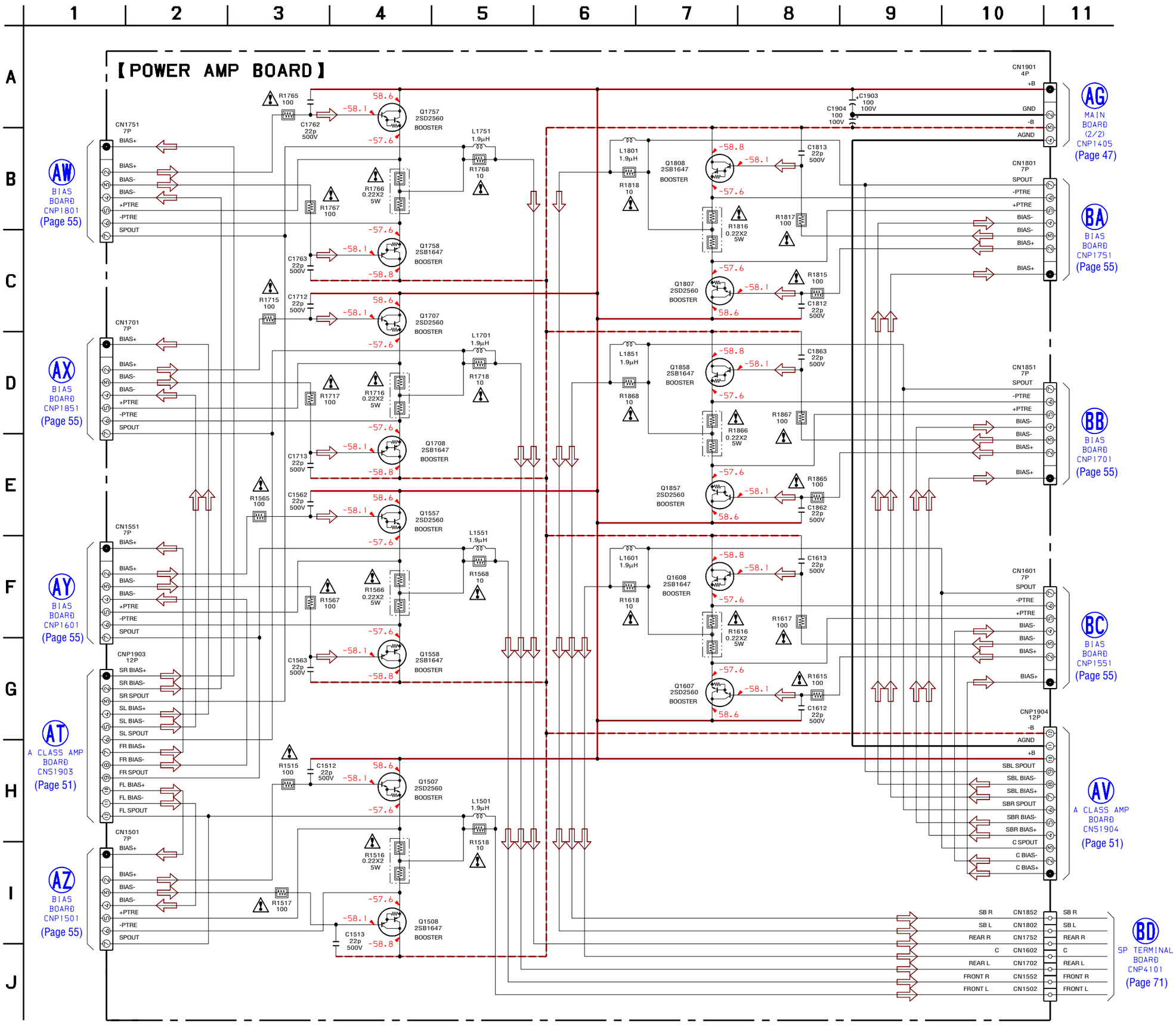
• See page 30 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

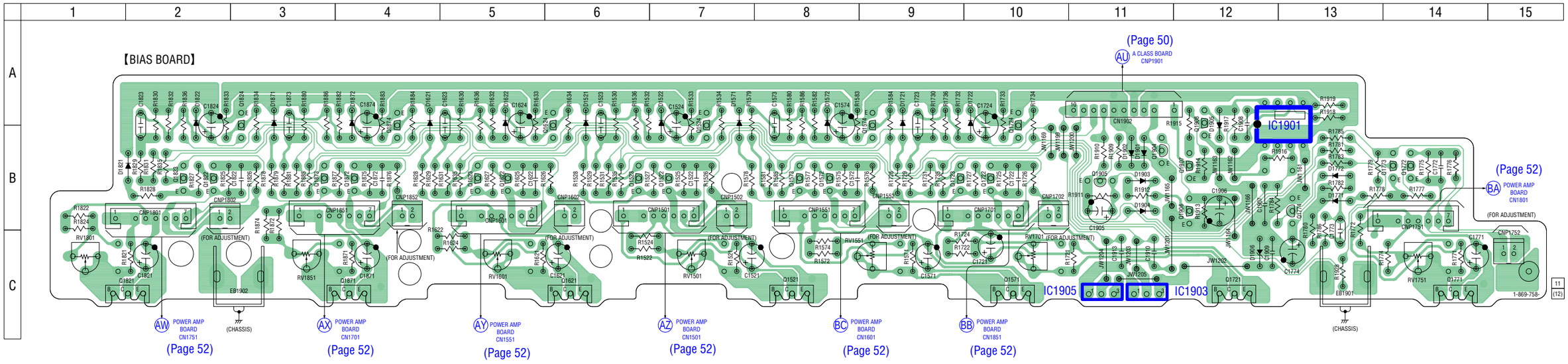
Ref. No.	Location
Q1507	D-7
Q1508	D-8
Q1557	D-5
Q1558	D-6
Q1607	D-9
Q1608	D-10
Q1707	D-3
Q1708	D-4
Q1757	D-2
Q1758	D-3
Q1807	D-13
Q1808	D-14
Q1857	D-11
Q1858	D-12

6-30. SCHEMATIC DIAGRAM – POWER AMP Board –



6-31. PRINTED WIRING BOARD – BIAS Board –

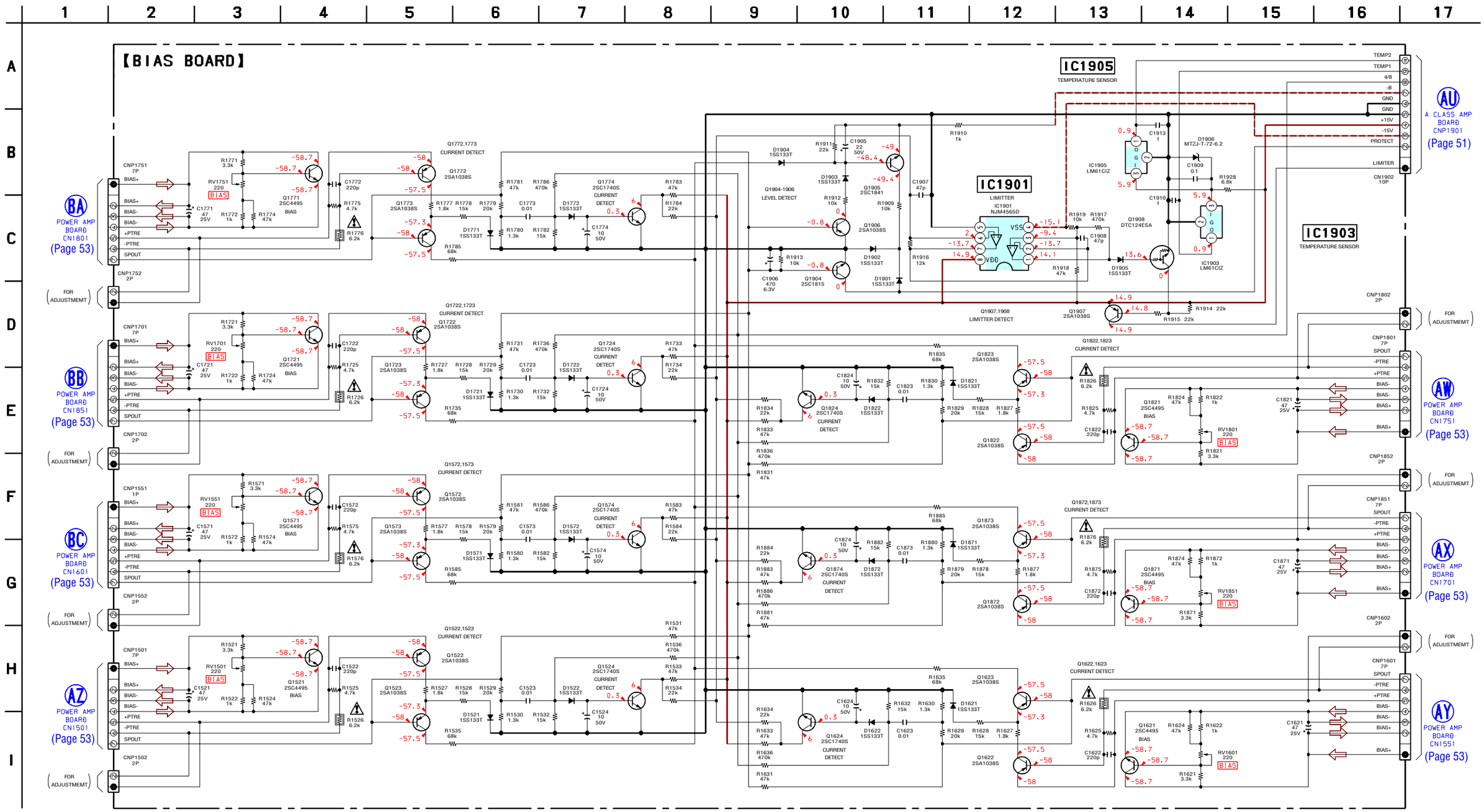
• See page 30 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1521	A-6	Q1571	C-10
D1522	A-7	Q1572	B-8
D1571	A-7	Q1573	B-8
D1572	A-8	Q1574	B-9
D1621	A-4	Q1621	C-6
D1622	A-5	Q1622	B-5
D1721	A-9	Q1623	B-5
D1722	A-10	Q1624	B-6
D1771	B-13	Q1721	C-12
D1772	B-13	Q1722	B-10
D1821	B-2	Q1723	B-9
D1822	A-2	Q1724	B-10
D1871	A-3	Q1771	C-14
D1872	A-4	Q1772	B-14
D1901	B-11	Q1773	B-14
D1902	B-11	Q1774	B-13
D1903	B-11	Q1821	C-2
D1904	B-11	Q1822	B-2
D1905	A-12	Q1823	B-2
D1906	C-12	Q1824	B-3
		Q1871	C-4
IC1901	A-13	Q1872	B-4
IC1903	C-11	Q1873	B-3
IC1905	C-11	Q1874	B-4
		Q1904	B-11
Q1521	C-8	Q1905	B-11
Q1522	B-7	Q1906	B-12
Q1523	B-6	Q1907	B-12
Q1524	B-7	Q1908	B-12

6-32. SCHEMATIC DIAGRAM – BIAS Board –



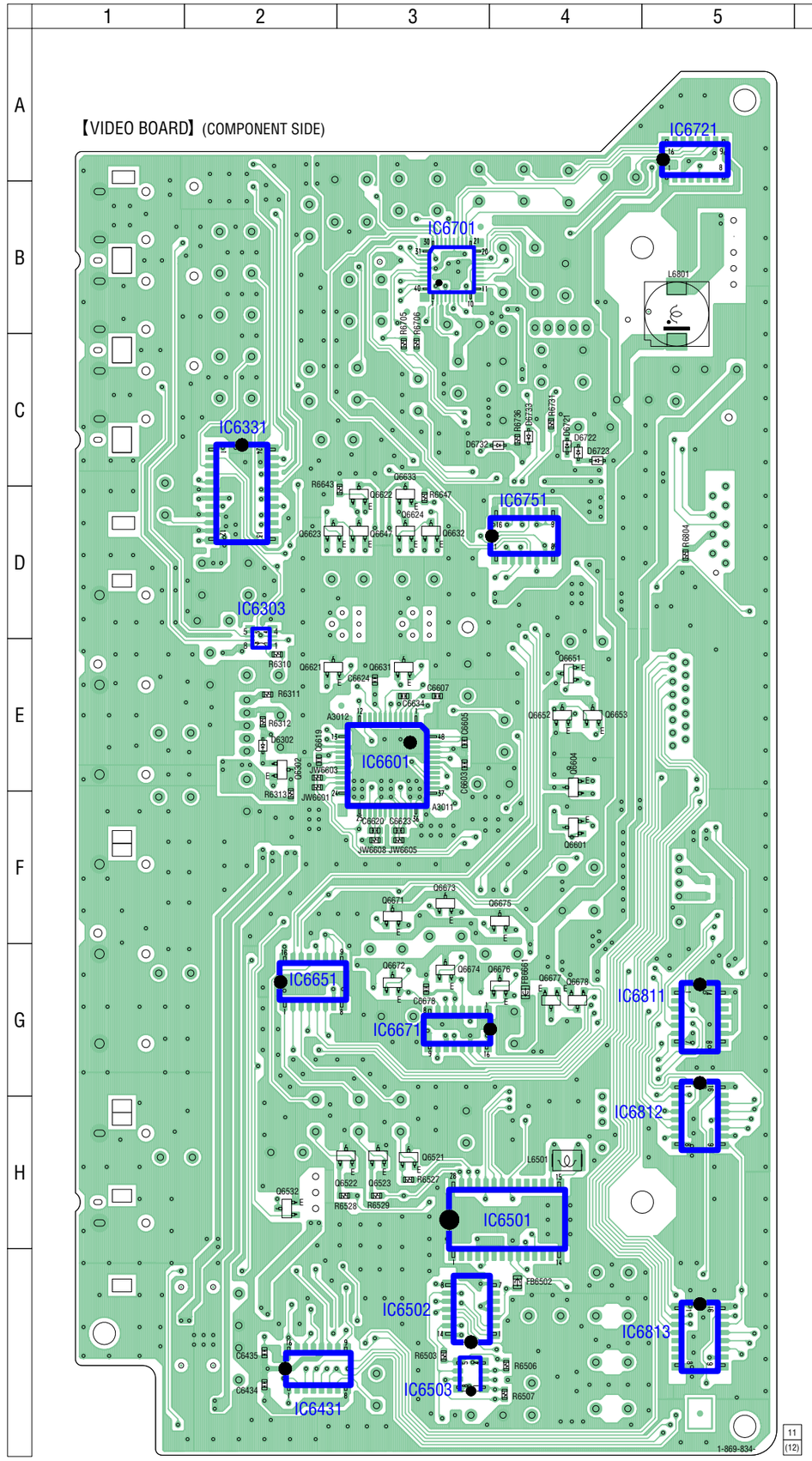
6-33. PRINTED WIRING BOARD – VIDEO Board –

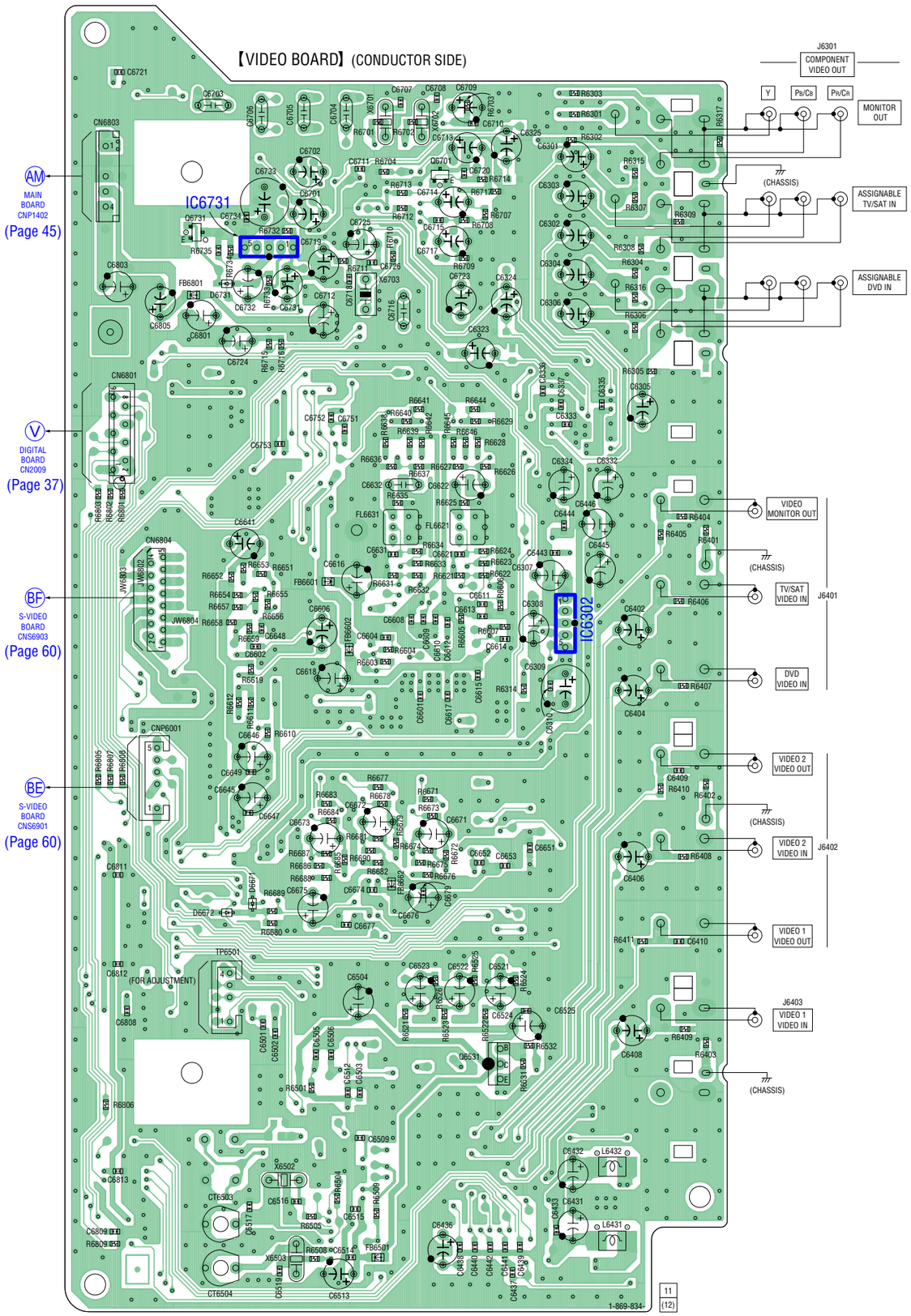
• See page 30 for Circuit Boards Location.

: Uses unleaded solder.

• **Semiconductor Location**

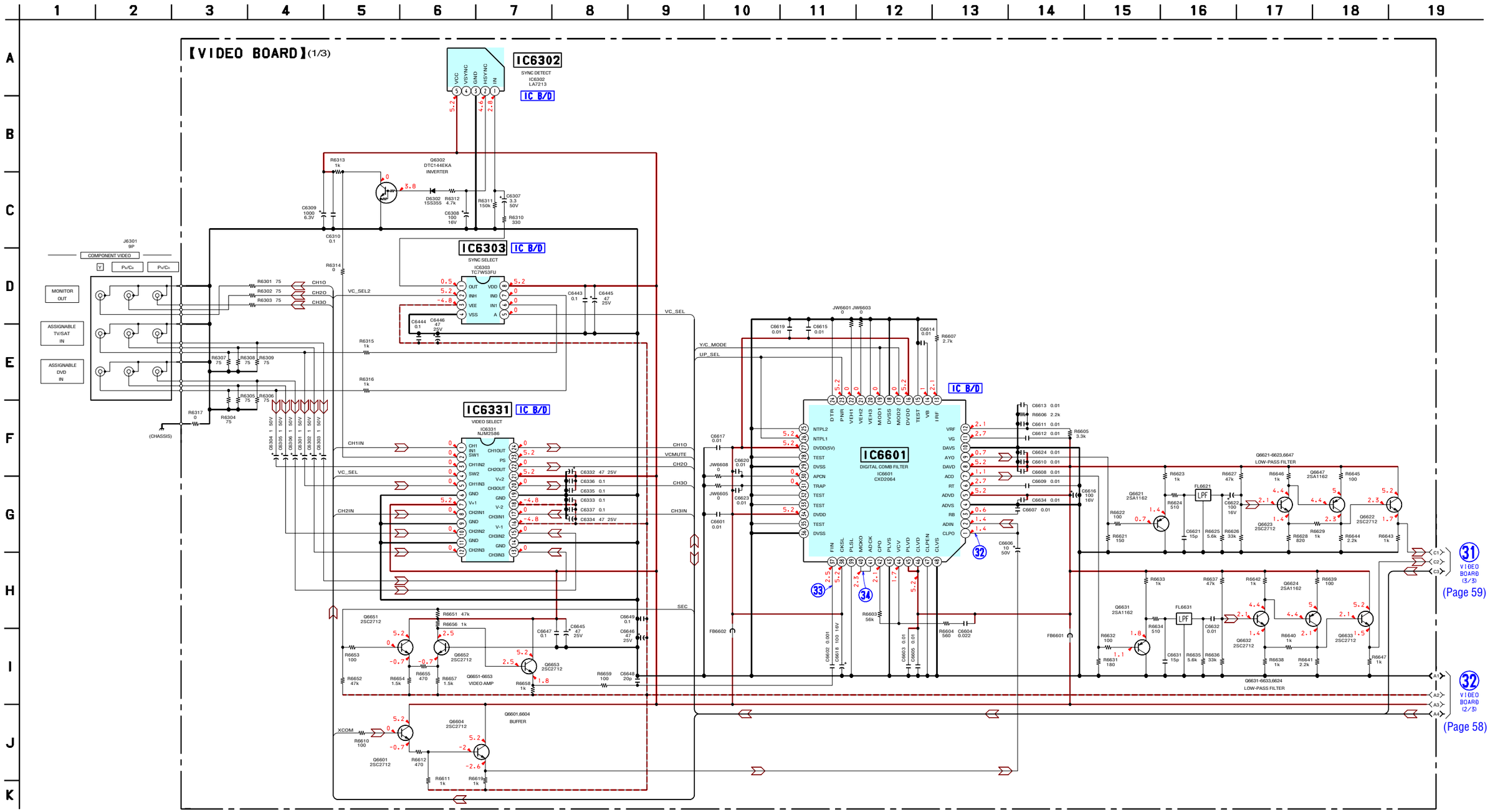
Ref. No.	Location
D6302	E-2
D6671	G-8
D6672	G-7
D6721	C-4
D6722	C-4
D6723	C-4
D6731	C-7
D6732	C-4
D6733	C-4
IC6302	E-10
IC6303	D-2
IC6331	D-2
IC6431	I-2
IC6501	H-4
IC6502	I-3
IC6503	I-3
IC6601	E-3
IC6651	G-2
IC6671	G-3
IC6701	B-3
IC6721	A-5
IC6731	B-8
IC6751	D-4
IC6811	G-5
IC6812	H-5
IC6813	I-5
Q6302	E-2
Q6521	H-3
Q6522	H-3
Q6523	H-3
Q6531	H-9
Q6532	H-2
Q6601	F-4
Q6604	E-4
Q6621	E-2
Q6622	D-3
Q6623	D-2
Q6624	D-3
Q6631	E-3
Q6632	D-3
Q6633	D-3
Q6647	D-3
Q6651	E-4
Q6652	E-4
Q6653	E-4
Q6671	F-3
Q6672	G-3
Q6673	F-3
Q6674	G-3
Q6675	F-4
Q6676	G-4
Q6677	G-4
Q6678	G-4
Q6701	B-9
Q6731	B-7





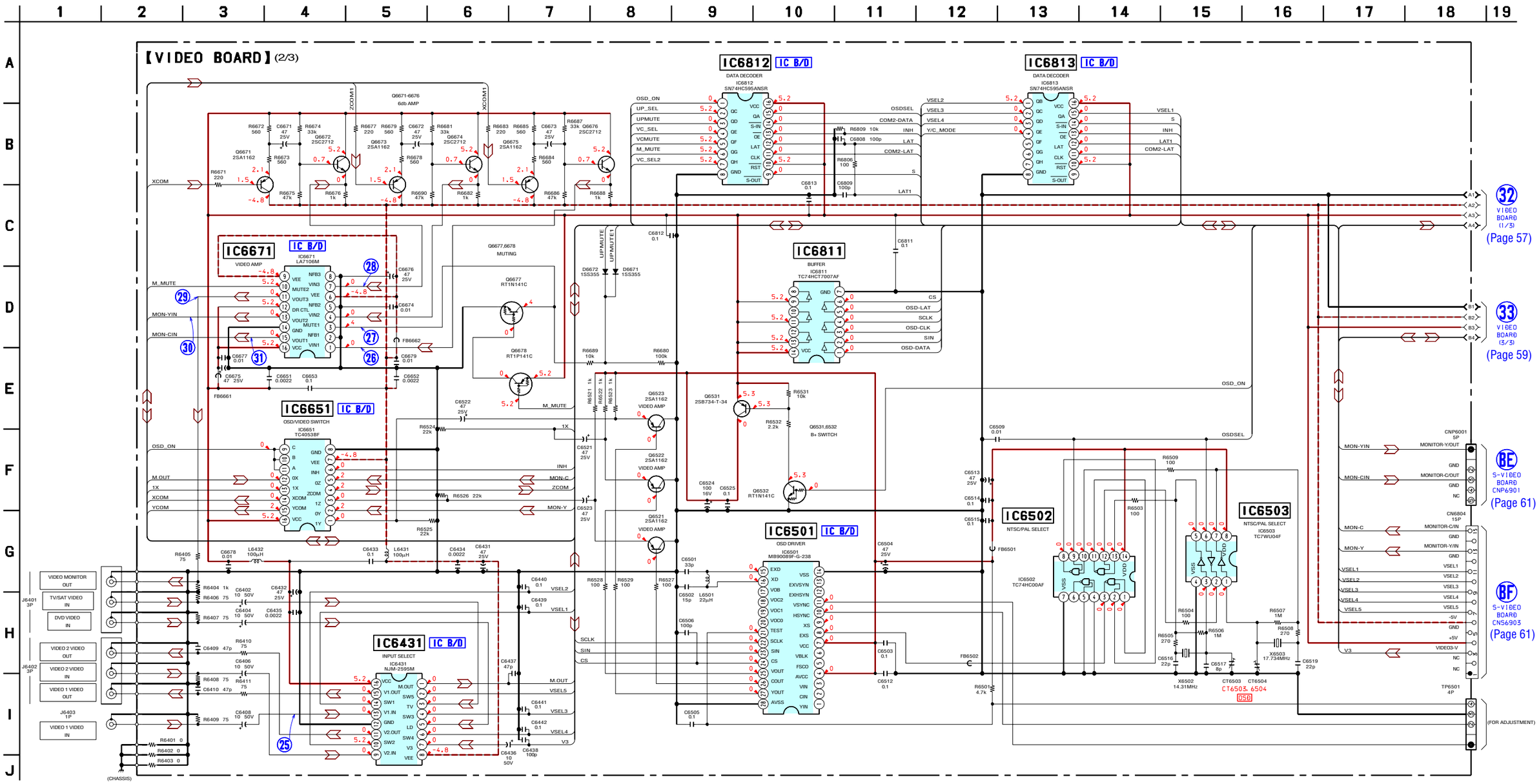
6-34. SCHEMATIC DIAGRAM – VIDEO Board (1/3) –

• See page 44 for Waveforms. • See page 72 for IC Block Diagrams.

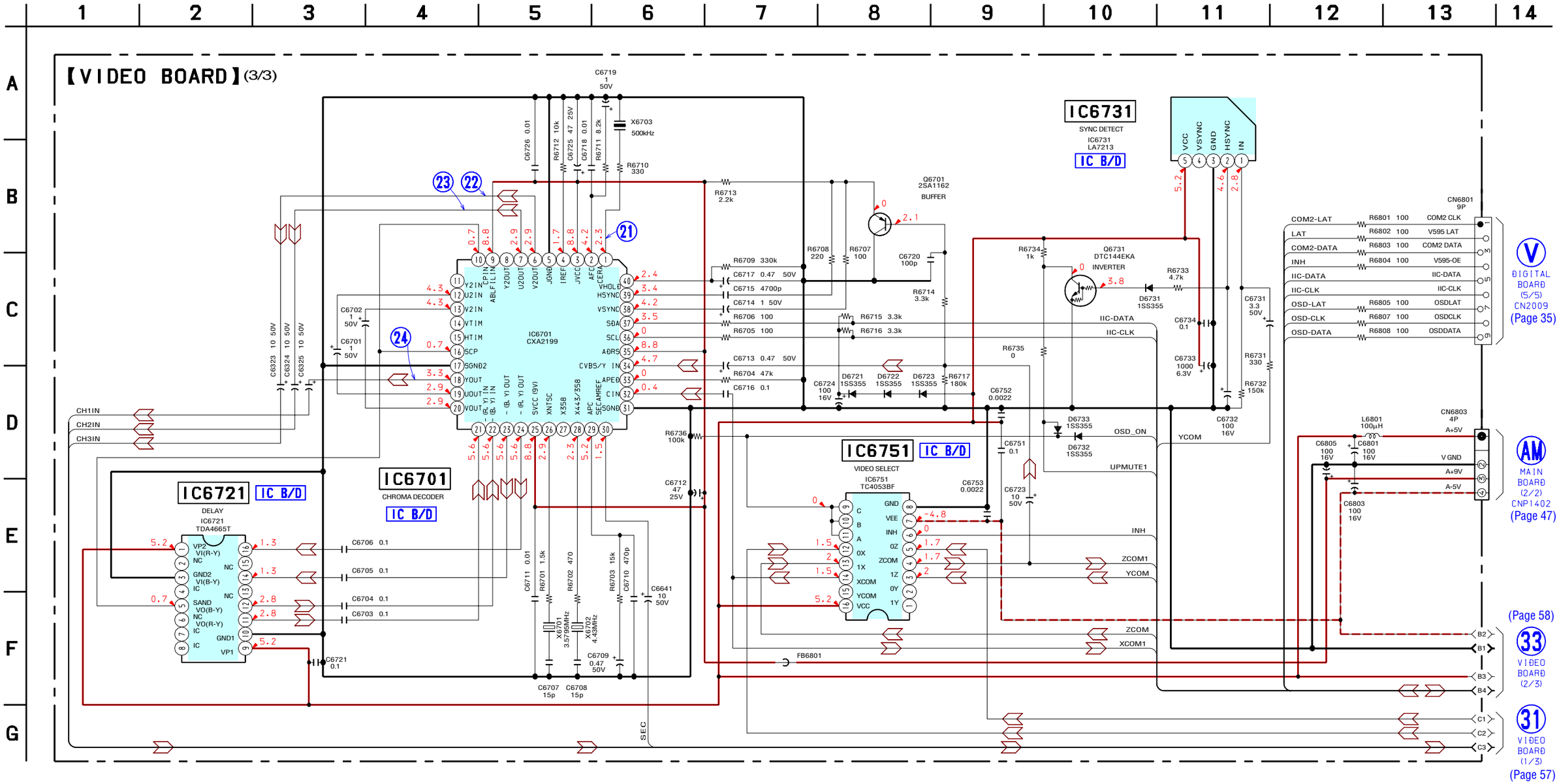


6-35. SCHEMATIC DIAGRAM – VIDEO Board (2/3) –

• See page 44 for Waveforms. • See page 72 for IC Block Diagrams.



6-36. SCHEMATIC DIAGRAM – VIDEO Board (3/3) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.

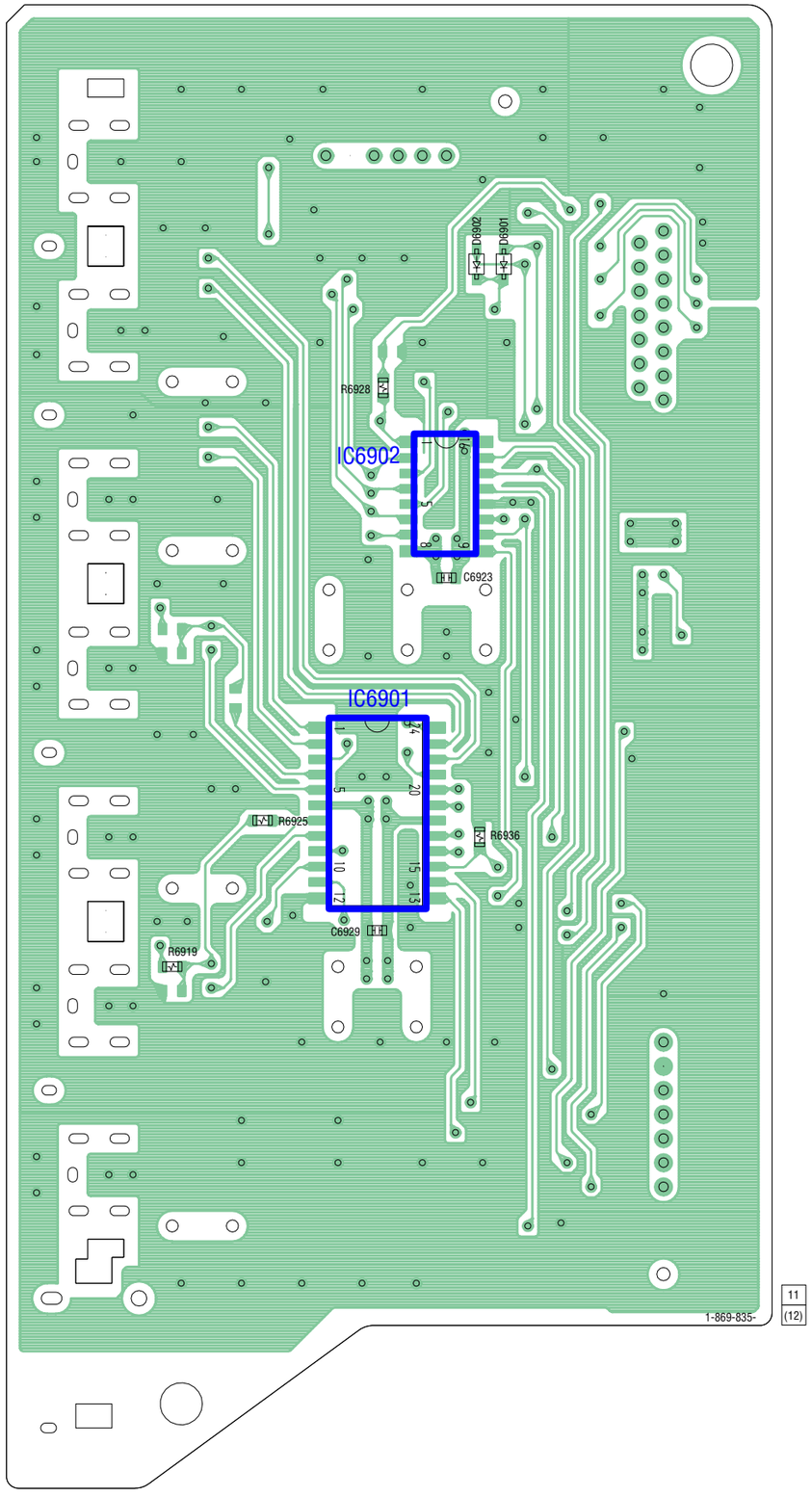


6-37. PRINTED WIRING BOARD – S-VIDEO Board –

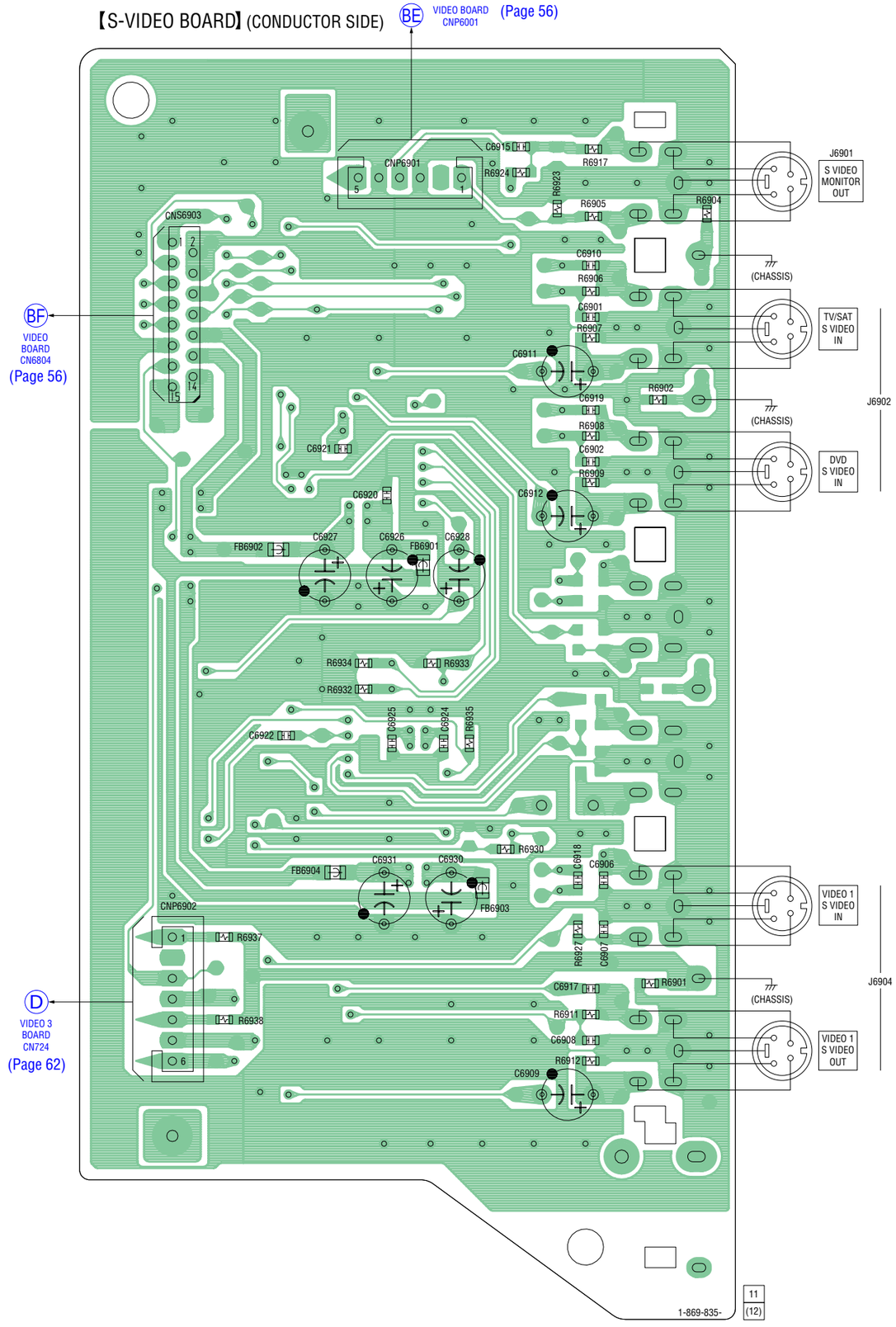
• See page 30 for Circuit Boards Location.

: Uses unleaded solder.

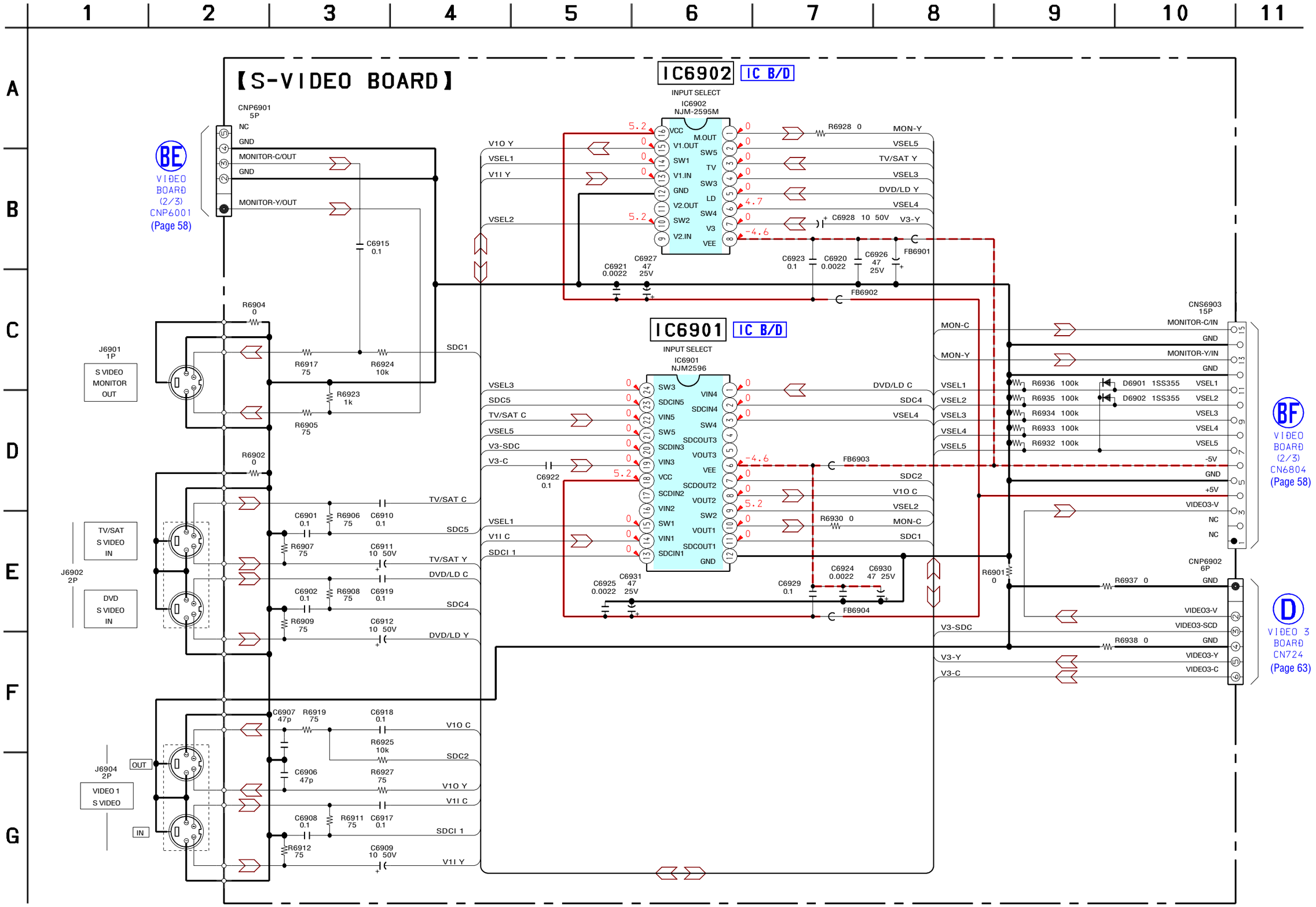
【S-VIDEO BOARD】(CONPONENT SIDE)



【S-VIDEO BOARD】(CONDUCTOR SIDE)



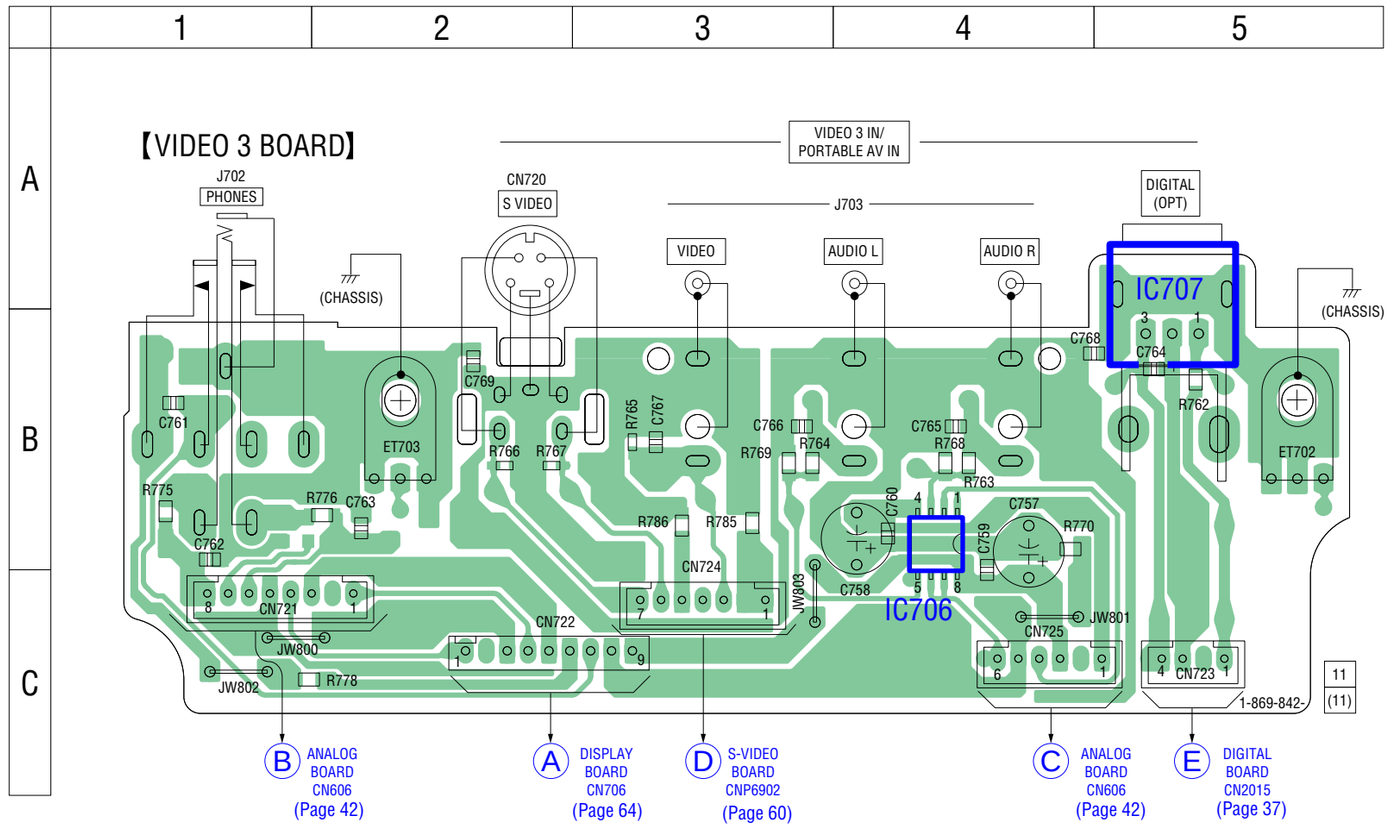
6-38. SCHEMATIC DIAGRAM – S-VIDEO Board – • See page 72 for IC Block Diagrams.



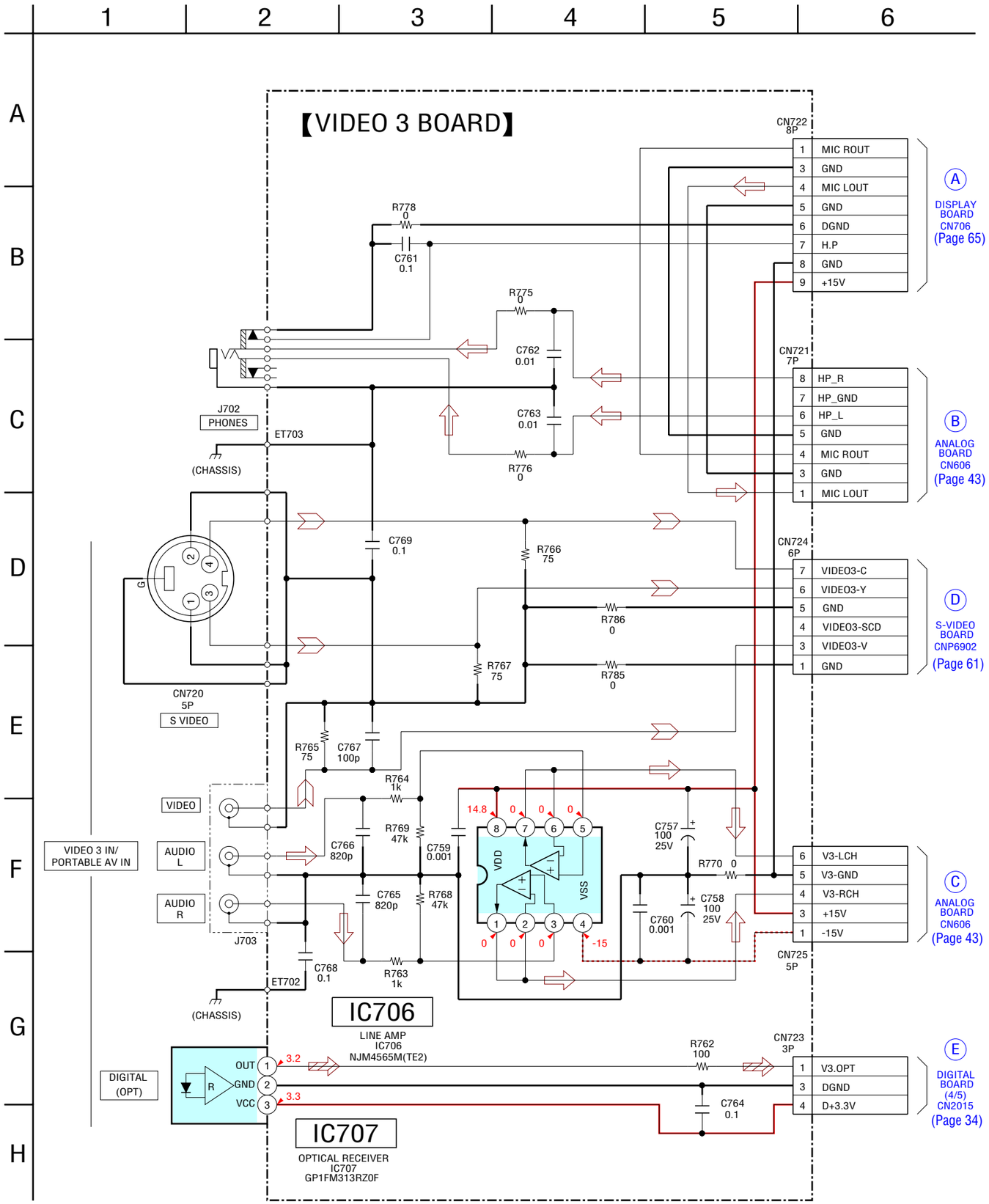
6-39. PRINTED WIRING BOARD – VIDEO 3 Board –

• See page 30 for Circuit Boards Location.

: Uses unleaded solder.

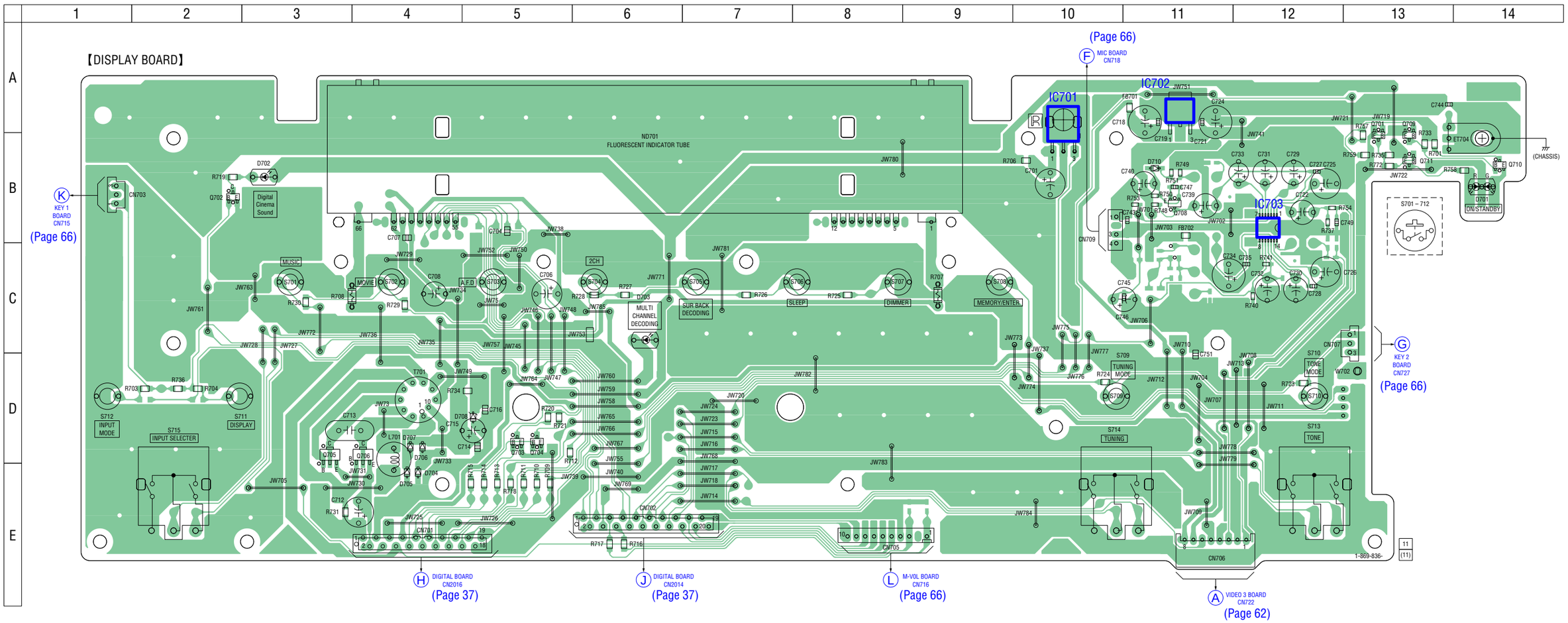


6-40. SCHEMATIC DIAGRAM – VIDEO 3 Board –



6-41. PRINTED WIRING BOARD – DISPLAY Board –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

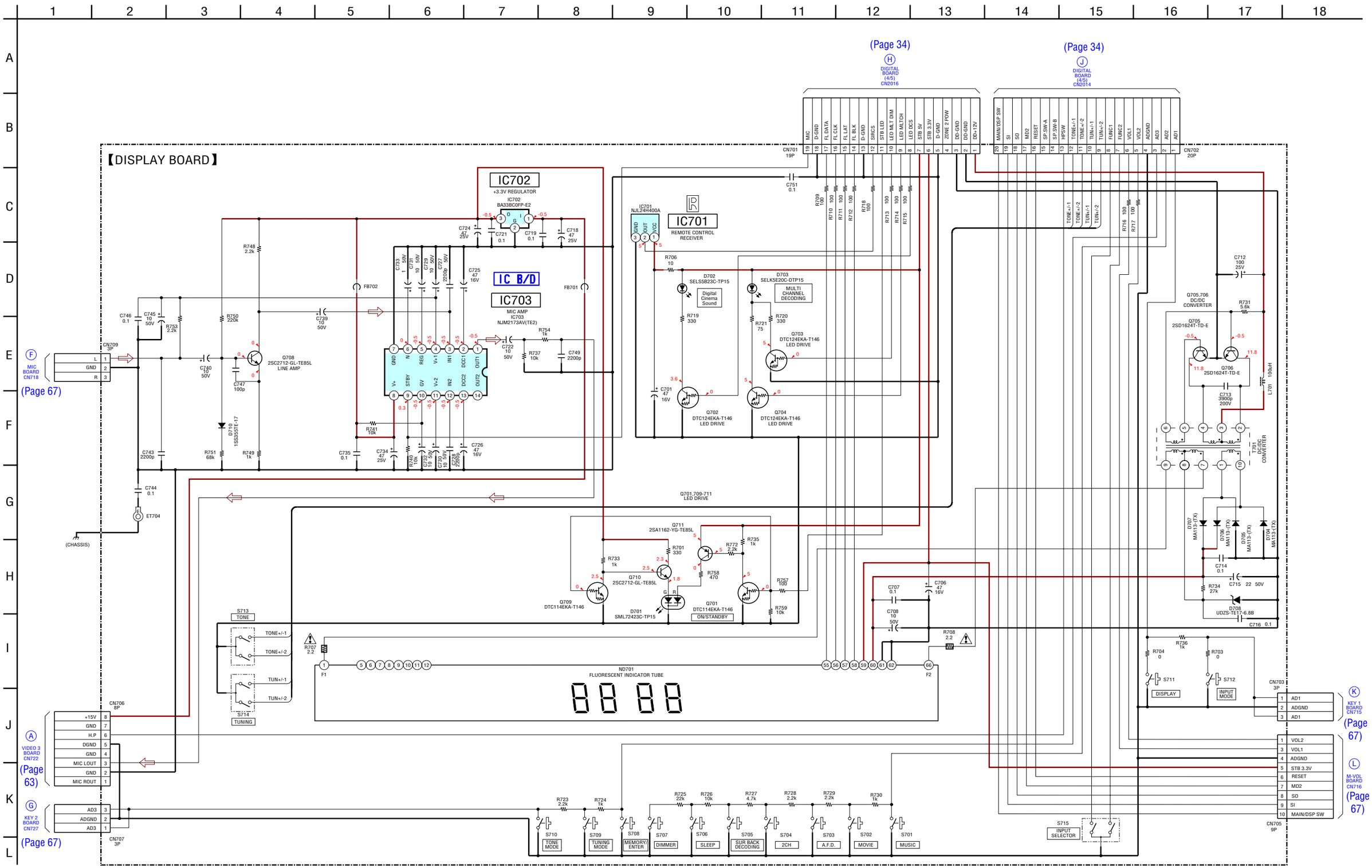


- **Semiconductor Location**

Ref. No.	Location
D701	B-14
D702	B-3
D703	C-6
D704	E-4
D705	E-4
D706	D-4
D707	D-4
D708	D-5
D709	C-11
D710	B-11
IC701	A-10
IC702	A-11
IC703	B-12
Q701	B-13
Q702	B-2
Q703	D-5
Q704	D-5
Q705	D-3
Q706	D-4
Q707	C-11
Q708	B-11
Q709	B-13
Q710	B-14
Q711	B-13

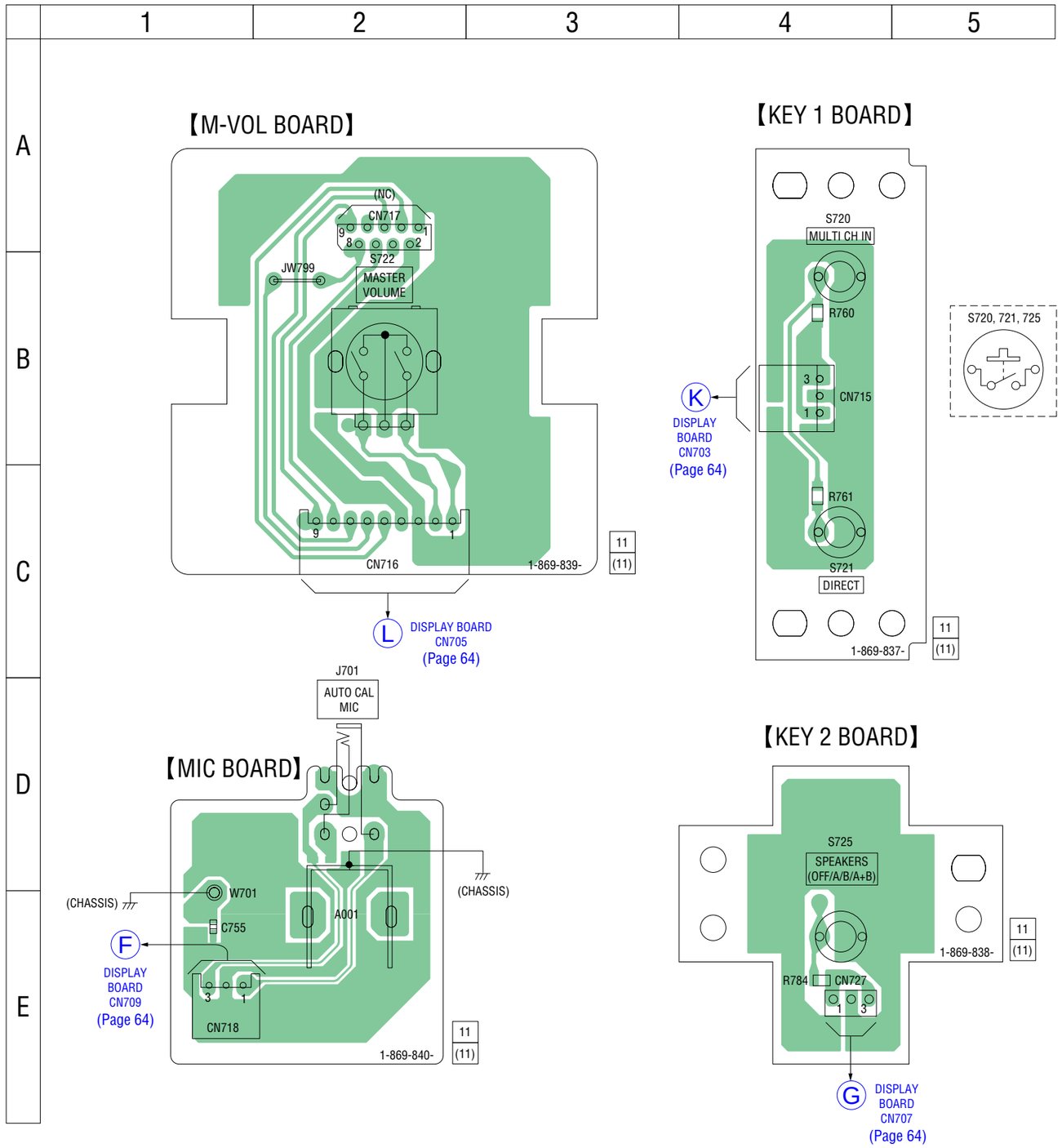
6-42. SCHEMATIC DIAGRAM – DISPLAY Board –

• See page 72 for IC Block Diagrams.

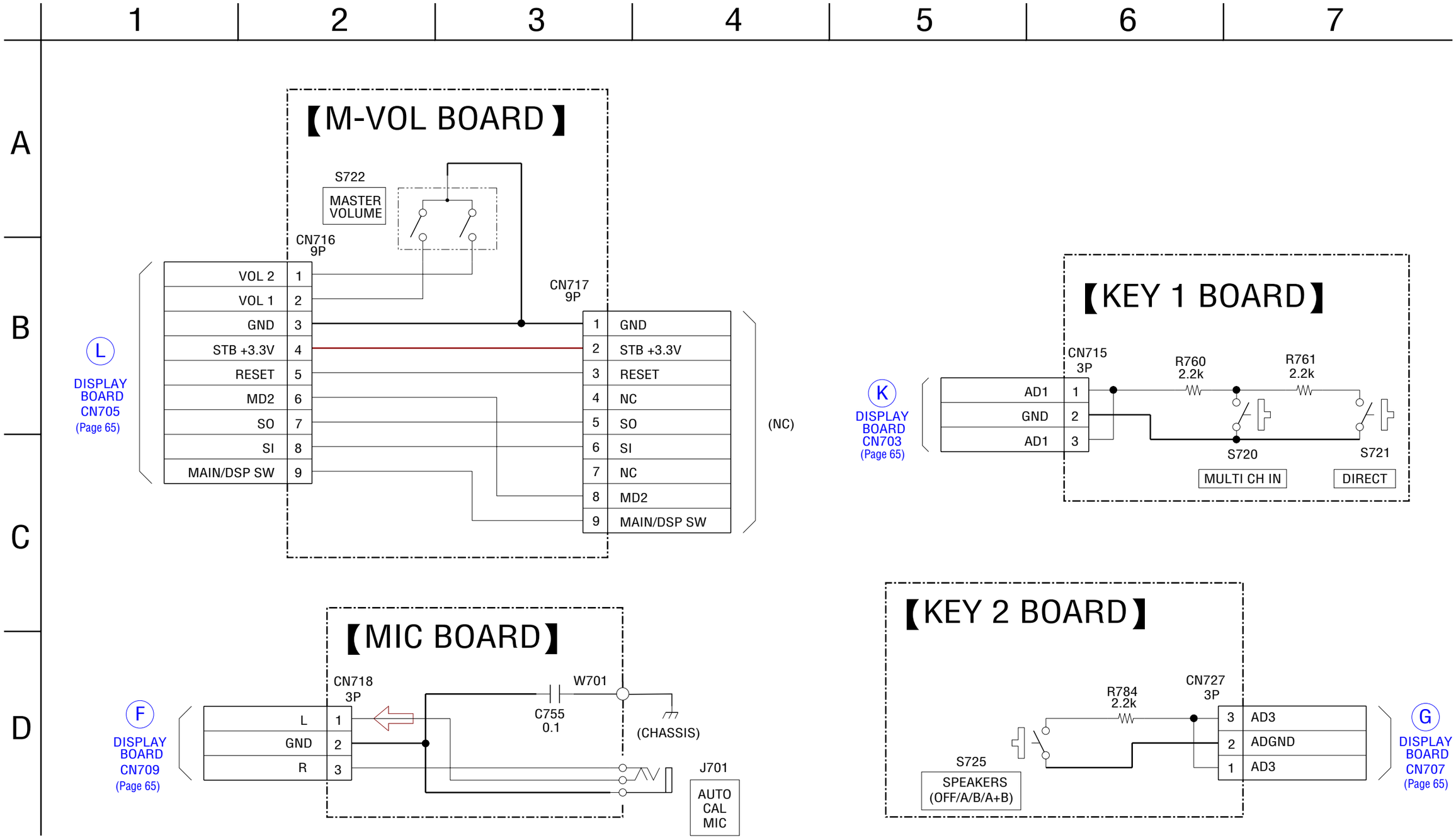


6-43. PRINTED WIRING BOARDS – KEY Section –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.



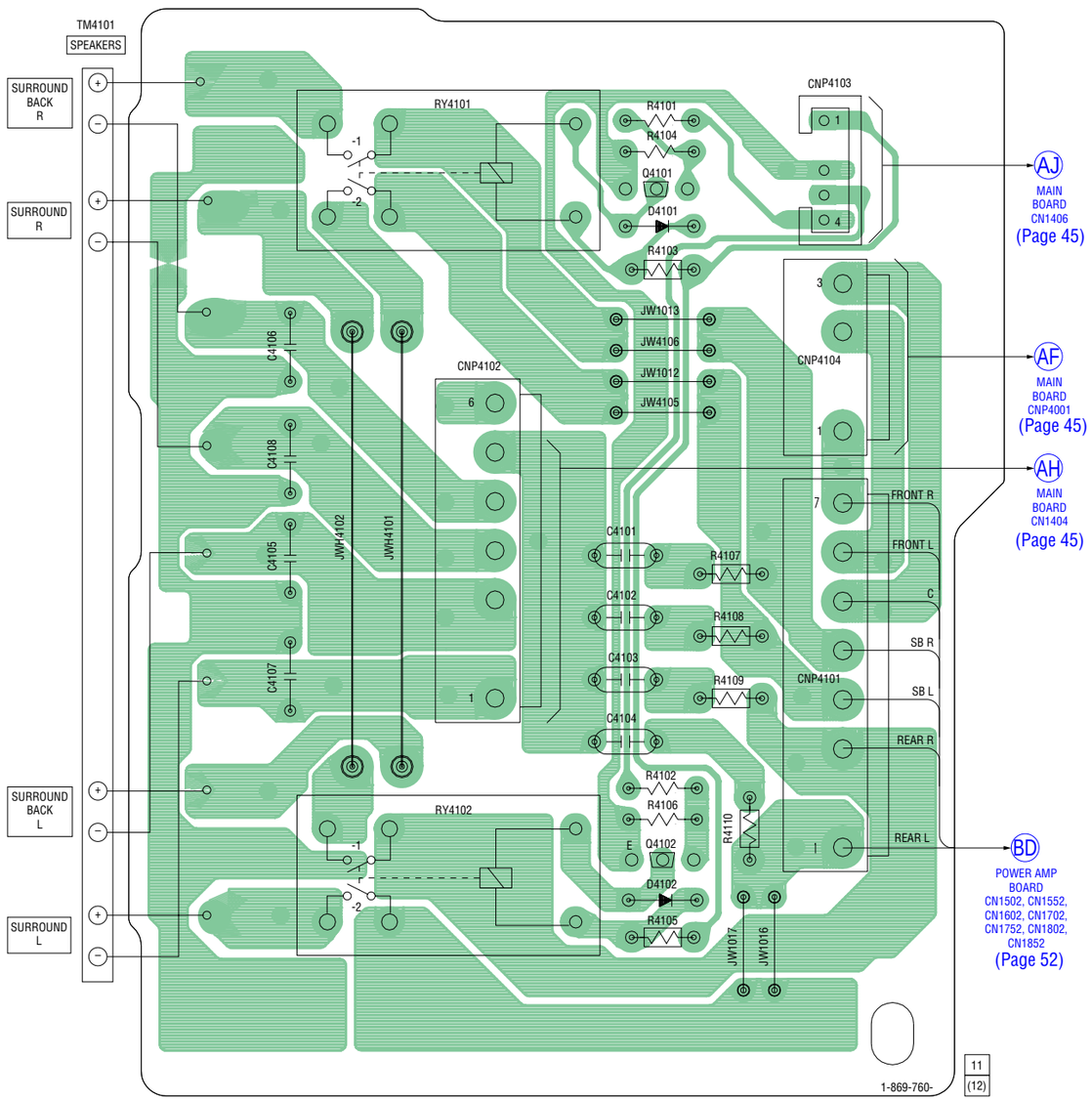
6-44. SCHEMATIC DIAGRAM – KEY Section –



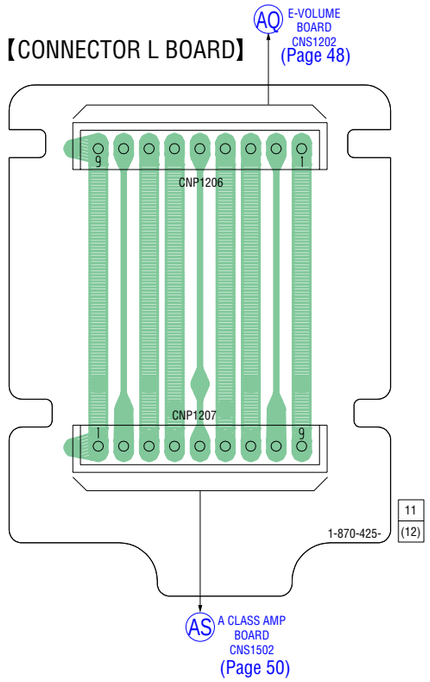
6-45. PRINTED WIRING BOARDS – SPEAKER Section –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

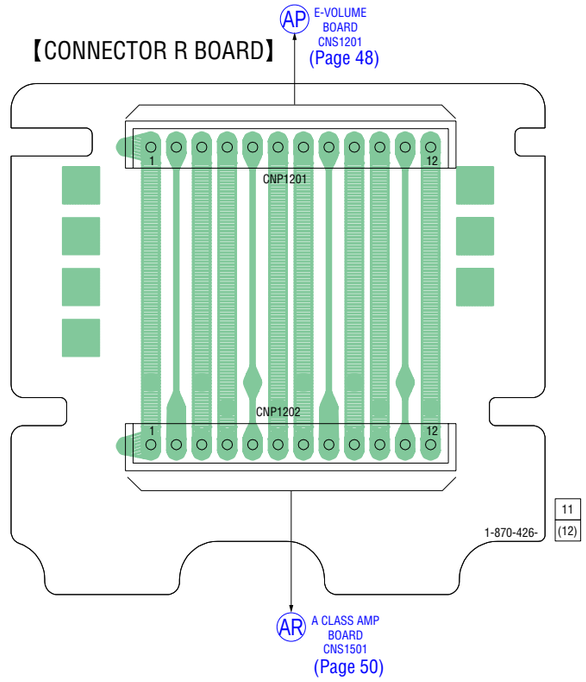
【SP TERMINAL BOARD】



【CONNECTOR L BOARD】



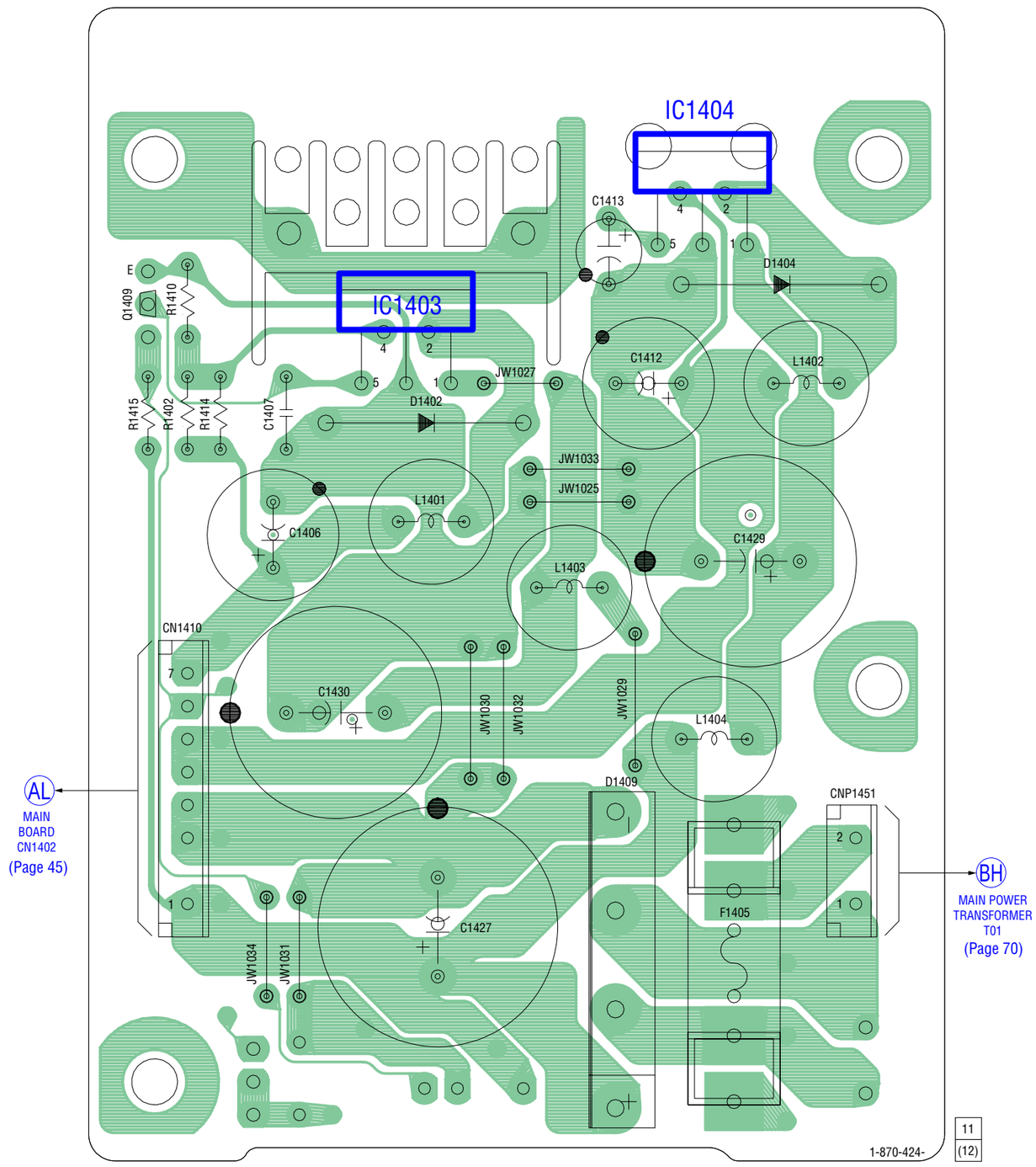
【CONNECTOR R BOARD】



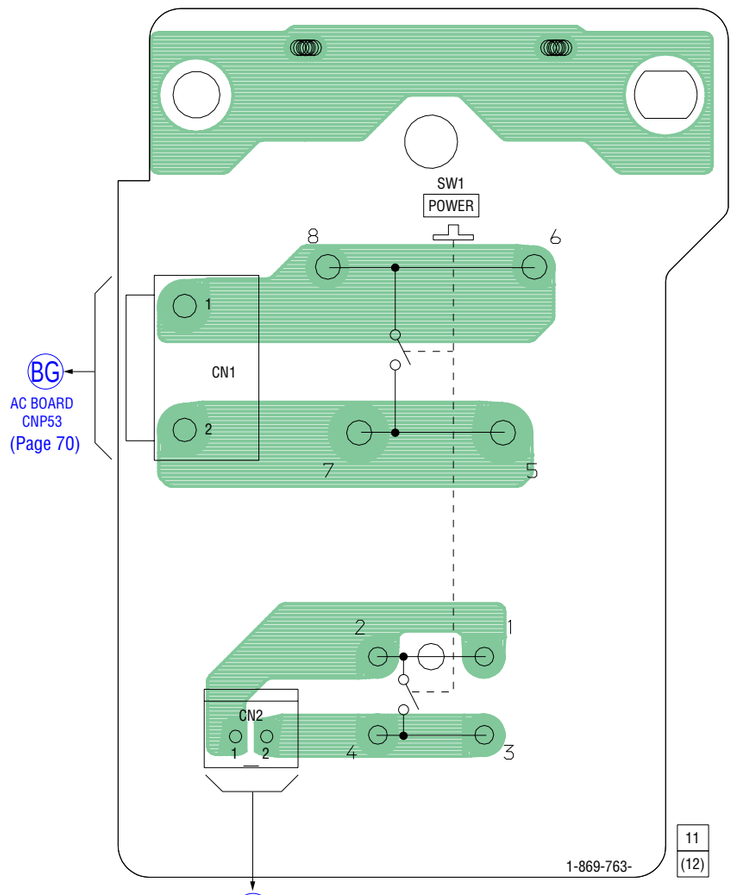
6-46. PRINTED WIRING BOARDS – DC Section –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

【DC-DC BOARD】



【POWER SW BOARD】



- **Semiconductor Location**

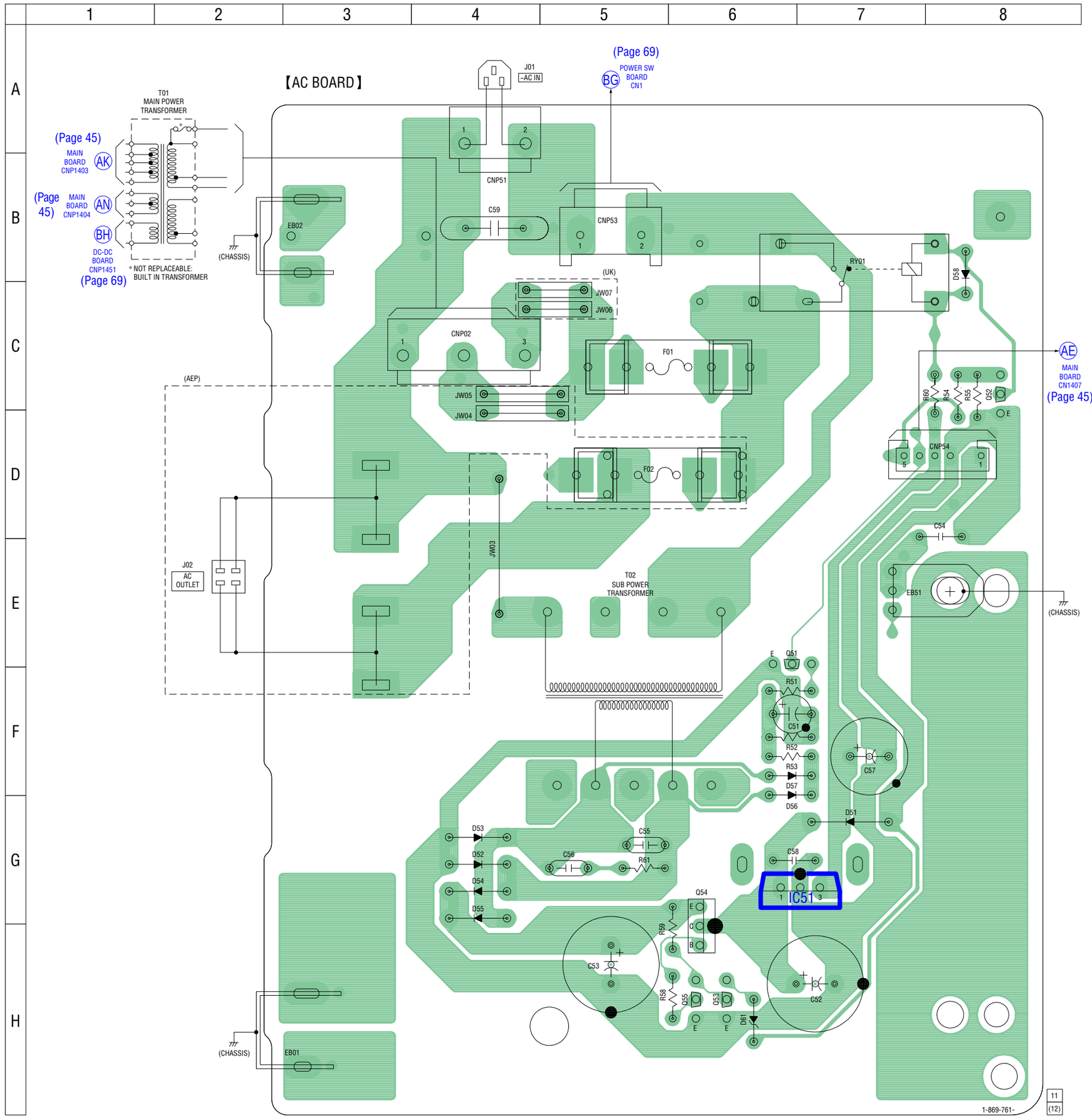
Ref. No.	Location
D1402	C-3
D1404	B-4
D1409	E-4
IC1403	B-3
IC1404	B-4
Q1409	B-1

6-47. PRINTED WIRING BOARD – AC Board –

• See page 30 for Circuit Boards Location. : Uses unleaded solder.

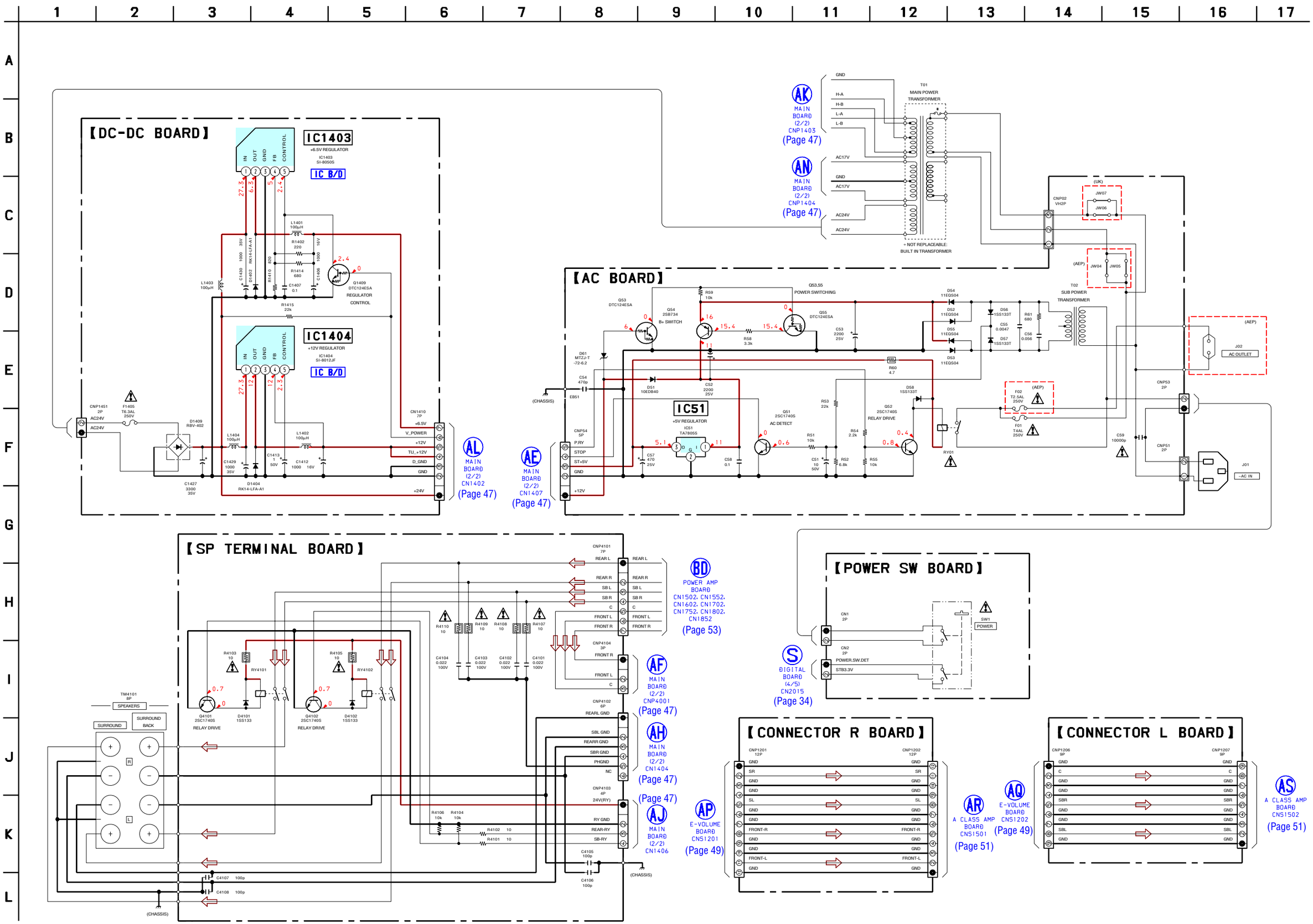
- **Semiconductor Location**

Ref. No.	Location
D51	G-7
D52	G-4
D53	G-4
D54	G-4
D55	G-4
D56	F-6
D57	F-6
D58	B-8
D61	H-6
IC51	G-7
Q51	E-6
Q52	C-8
Q53	H-6
Q54	H-6
Q55	H-6



6-48. SCHEMATIC DIAGRAM – POWER SUPPLY Section –

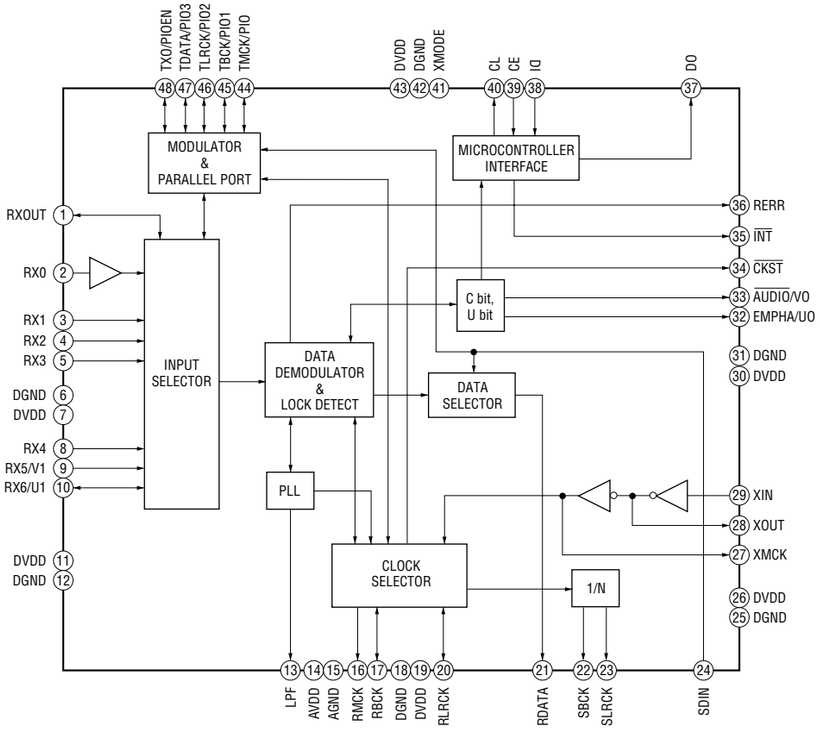
• See page 72 for IC Block Diagrams.



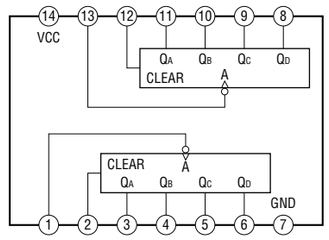
- **IC Block Diagrams**

– DIGITAL Board –

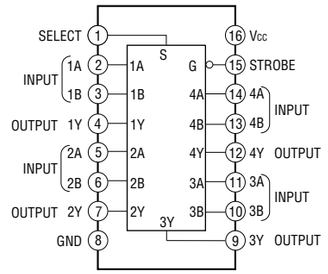
IC2006 LC89057W-VF4A-E



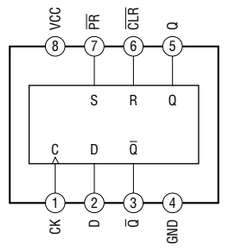
IC2017 TC74VHC393FT (EL)



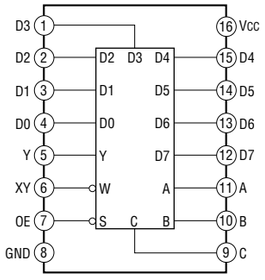
IC2018, 2019 TC74VHC157FT (EL)



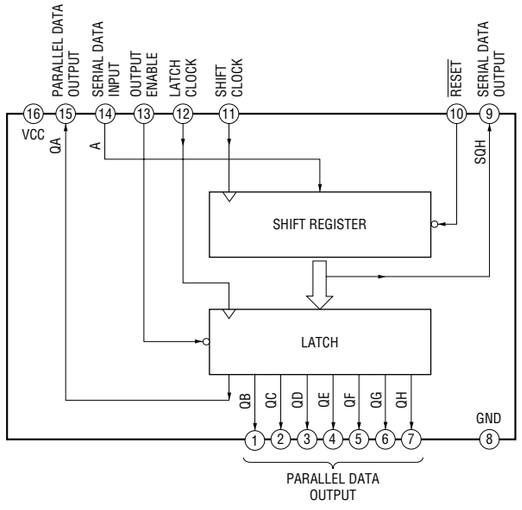
IC2022, 2036 TC7WH74FU (TE12R)



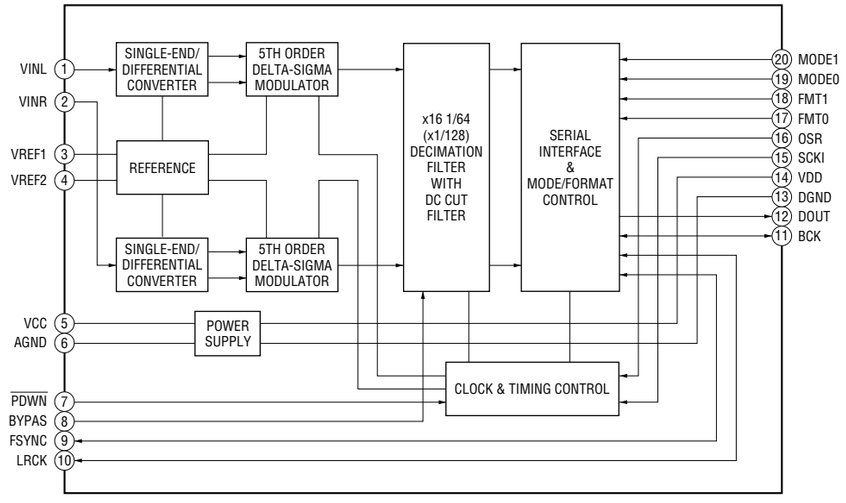
IC2009 TC74HC151AF (EL)



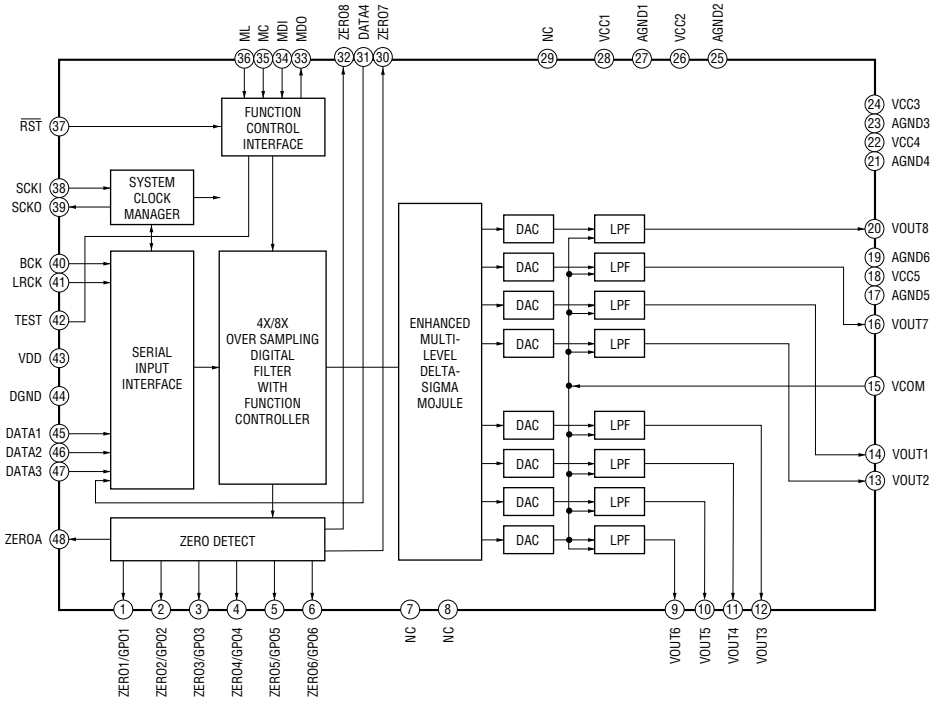
IC2012, 2044 SN74HC595ANS



IC2024 PCM1802DBR

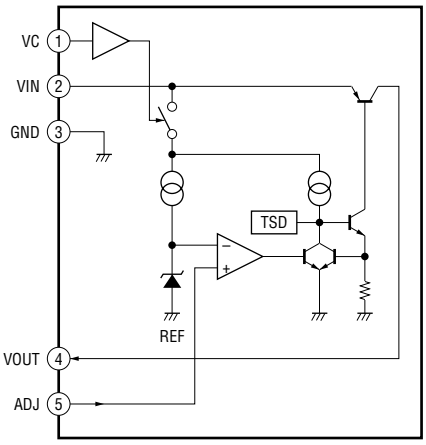


IC2034 PCM1609APT

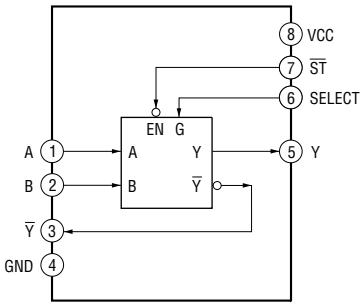


– DSP Board –

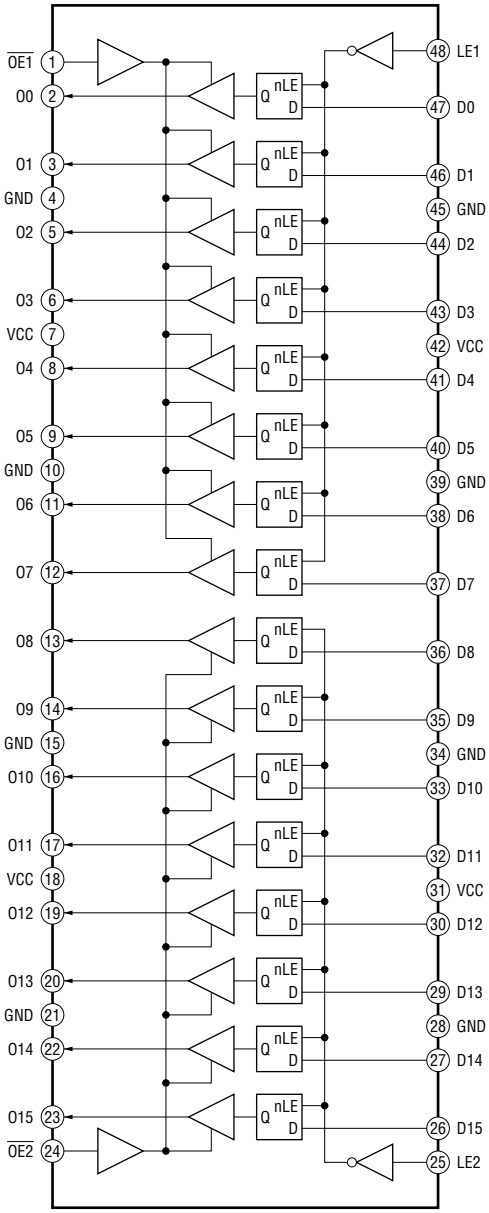
IC1 SI-3010KM-TL



IC4 TC7WH157FK (TE85R)

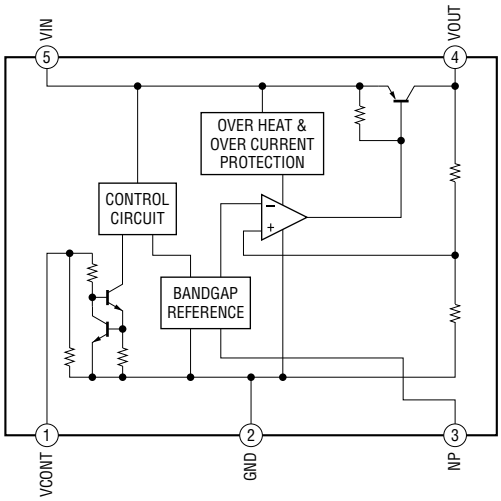


IC6 MC74LCX16373DTR2



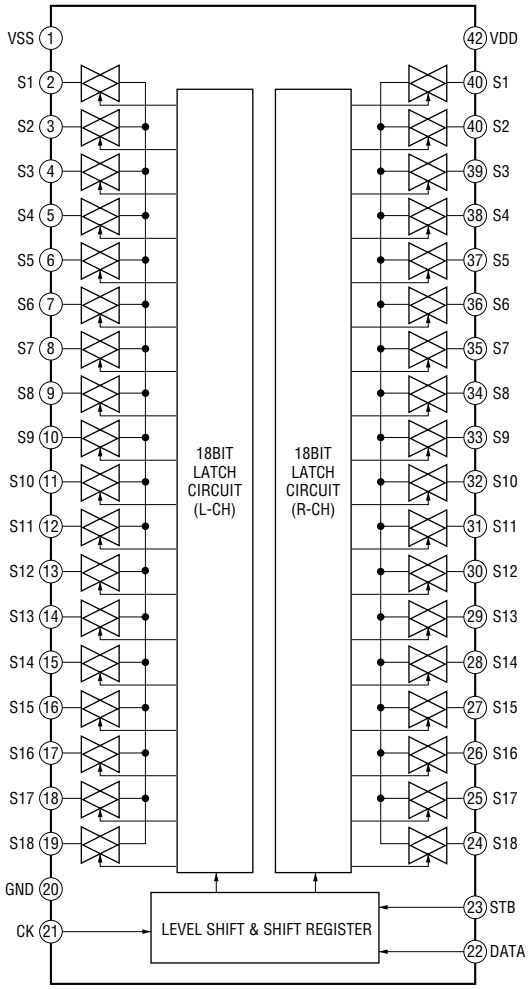
– HDMI SW Board –

IC5002 TK11150CSCL-G



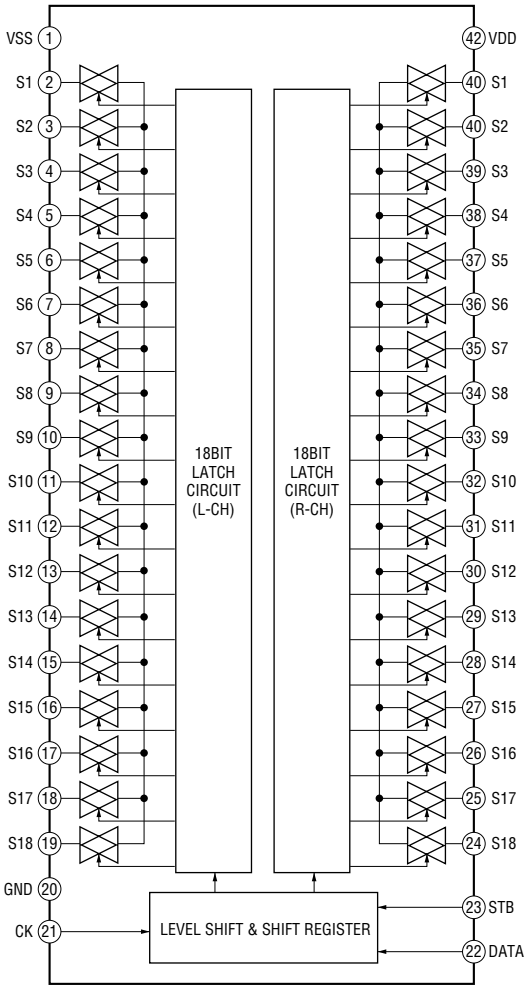
– ANALOG Board –

IC401, 501 TC9274CNG-015



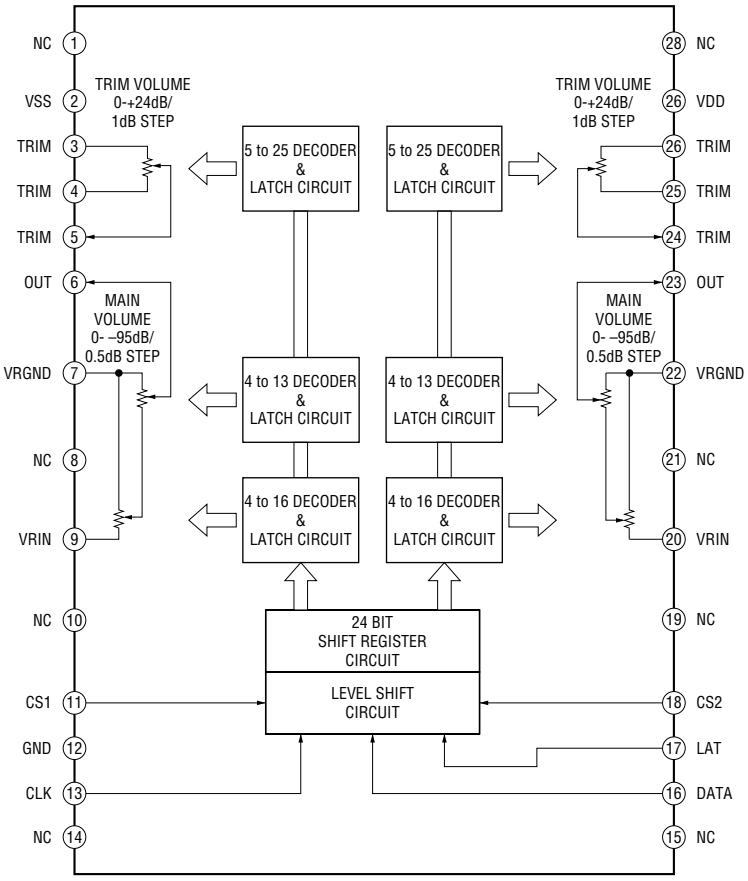
– MAIN Board –

IC1001 TC9274CNG-016



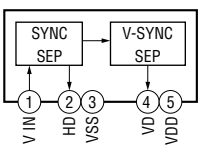
– E-VOLUME Board –

IC1203, 1213, 1223, 1233 CXD9725M-HFL

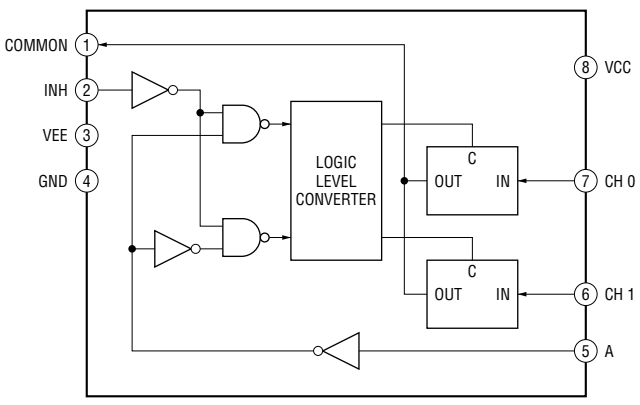


– VIDEO Board –

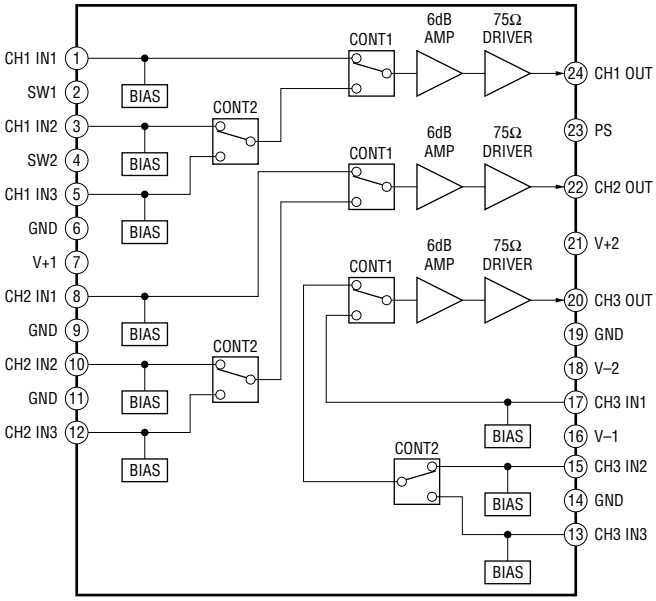
IC6302, 6731 LA7213



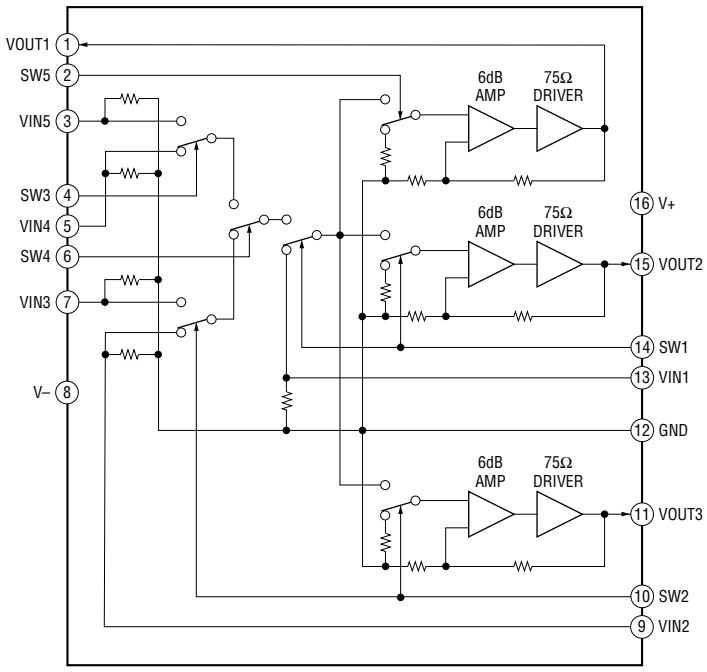
IC6303 TC7W53FU (TE12R)



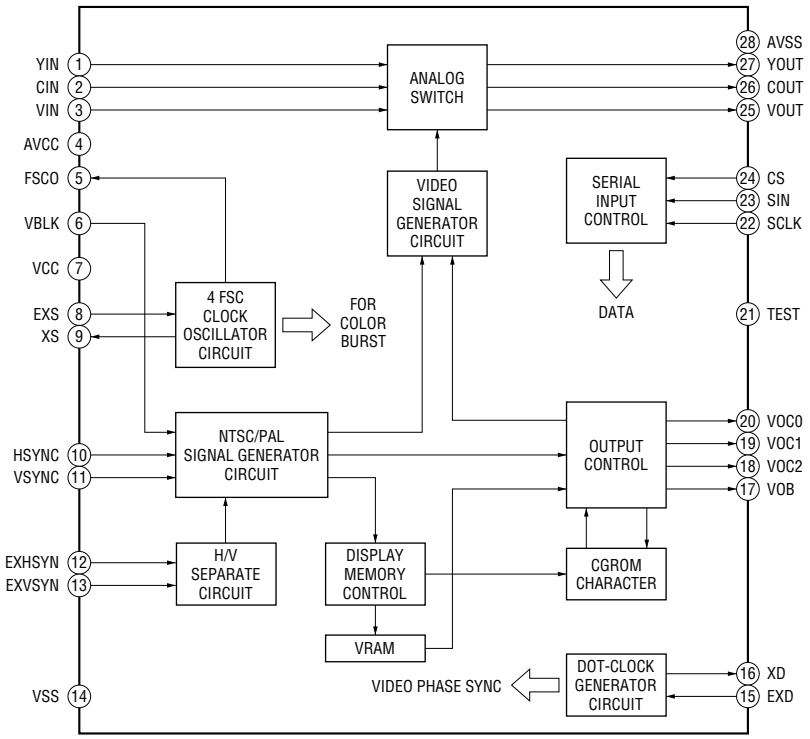
IC6331 NJM2586AM



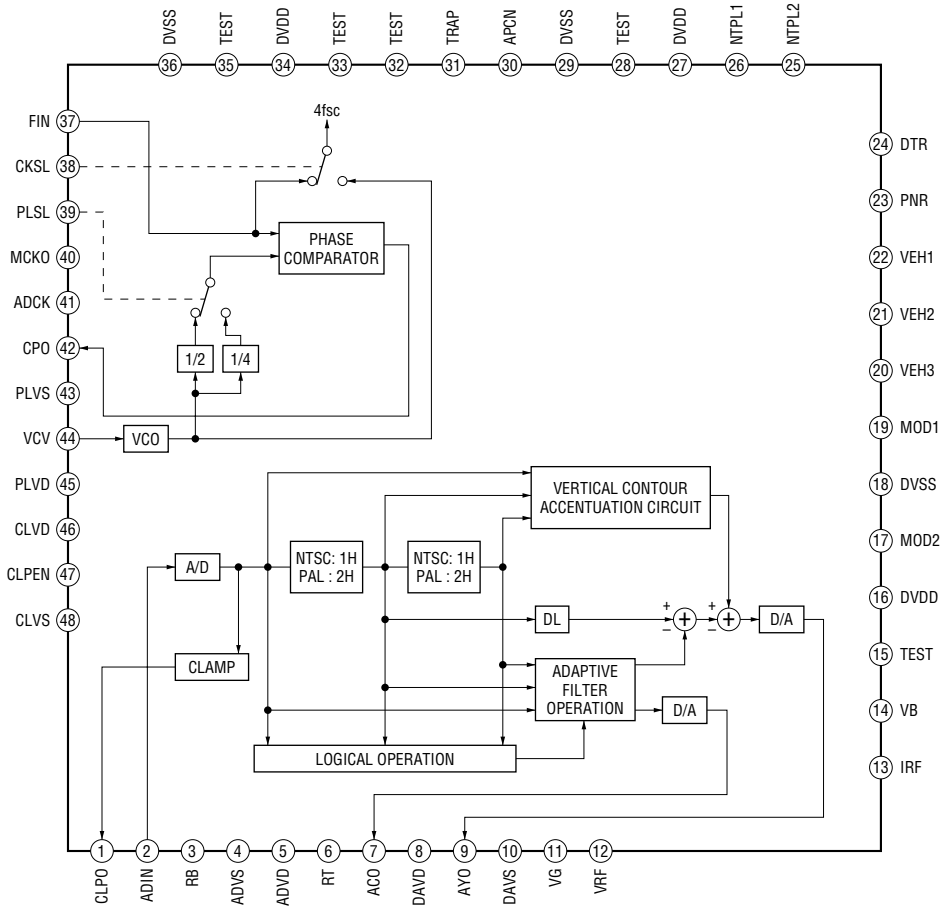
IC6431 NJM2595M-TE2



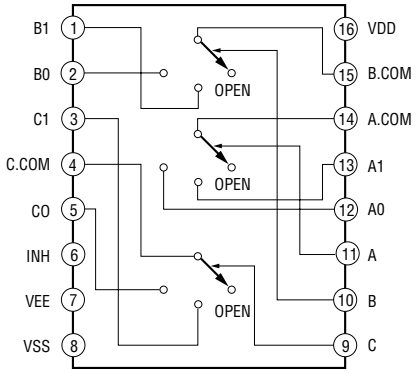
IC6501 MB90089F-G-238-BND



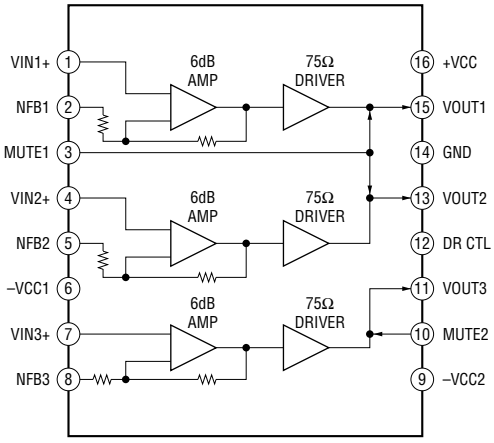
IC6601 CXD2064Q



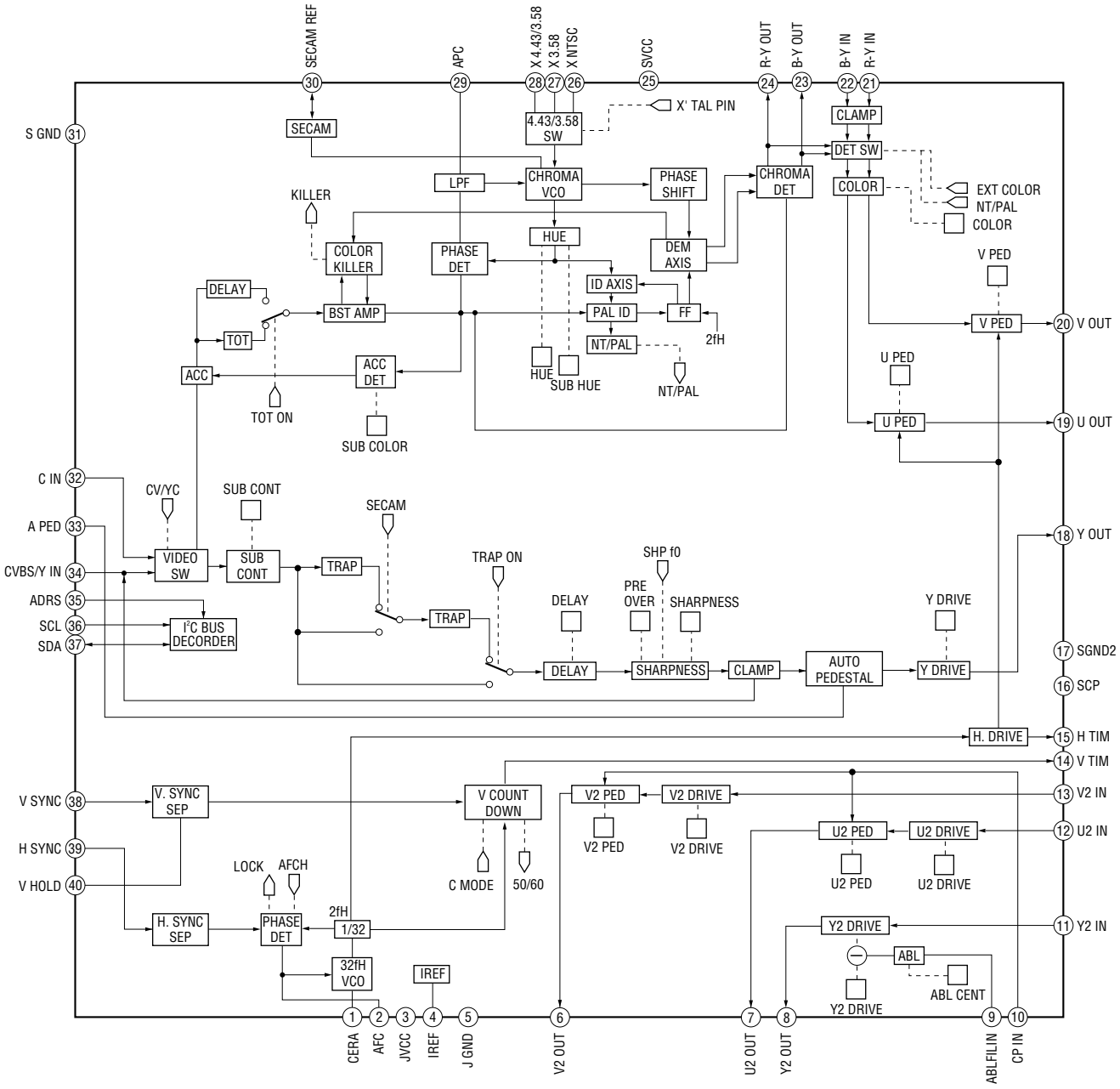
IC6651, 6751 HD14053BFP



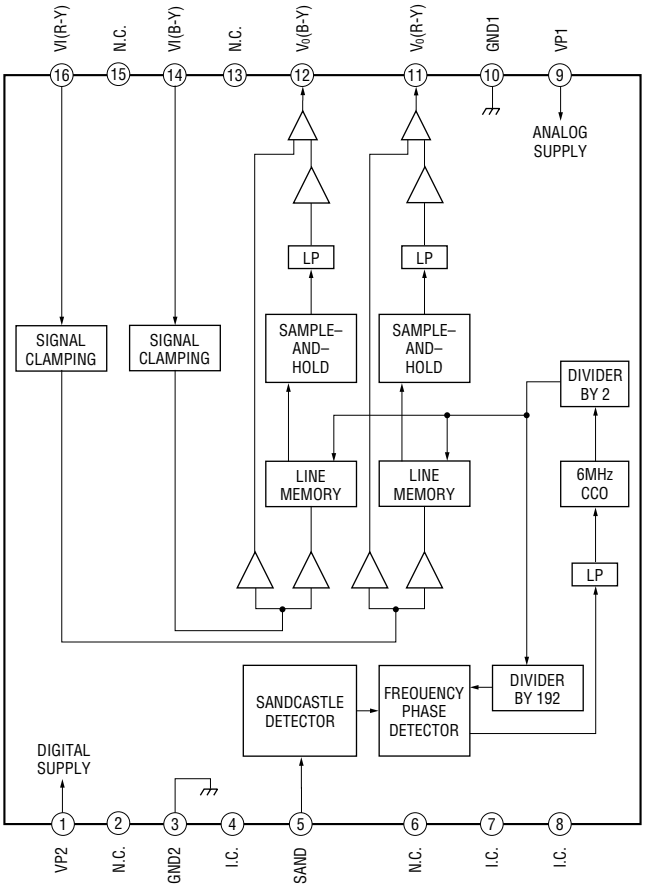
IC6671 LA7106M-TLM



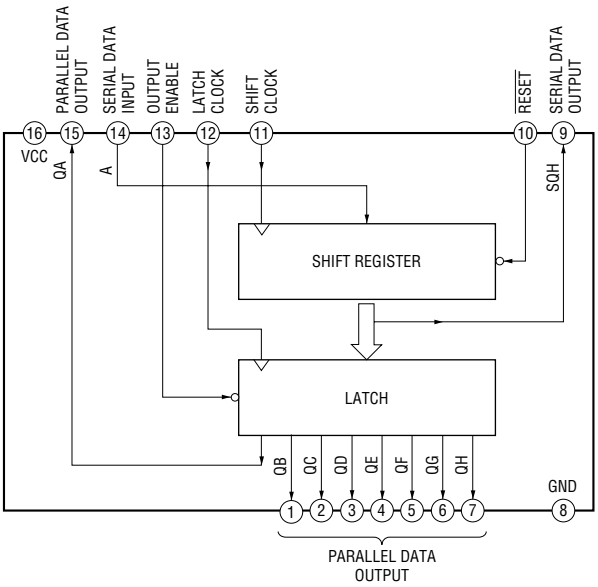
IC6701 CXA2199Q



IC6721 TDA4665T/V5-118

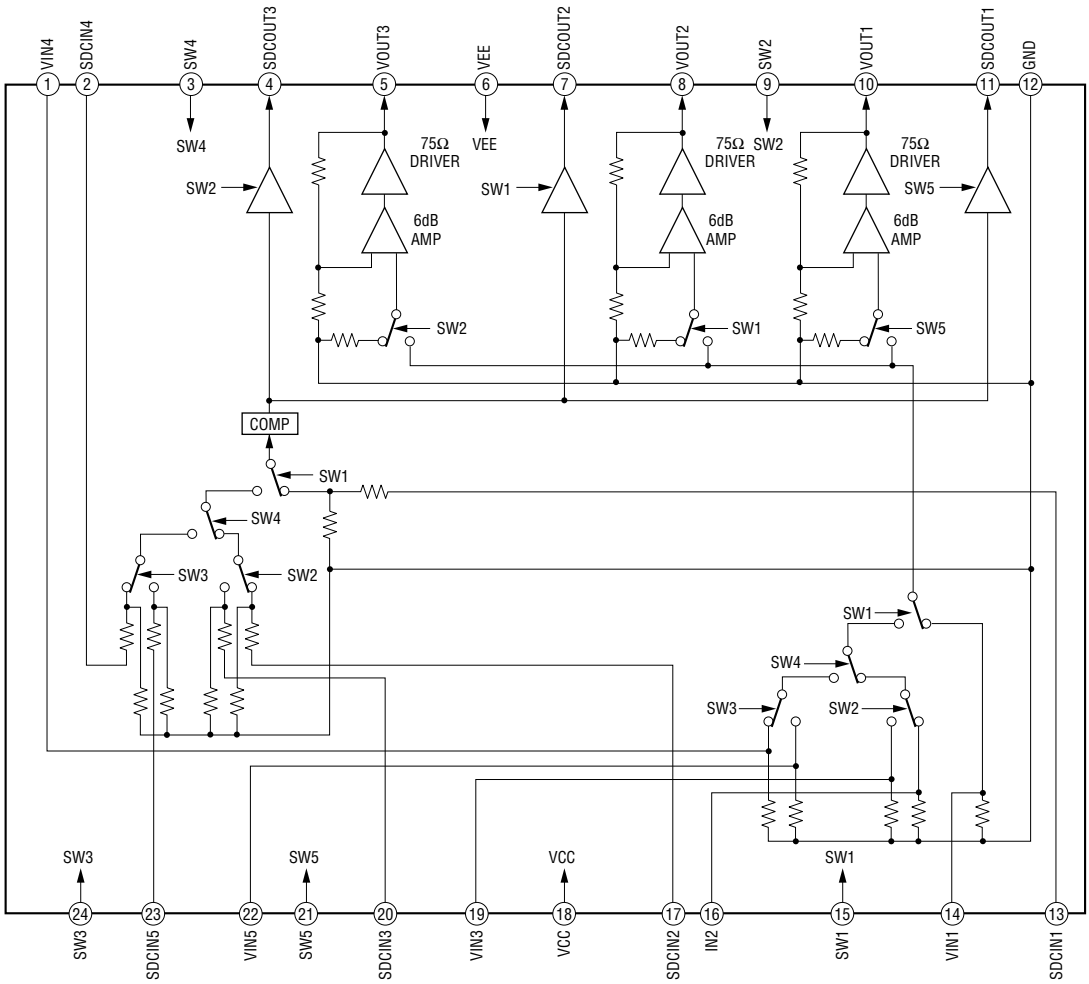


IC6812, 6813 SN74HC595ANS

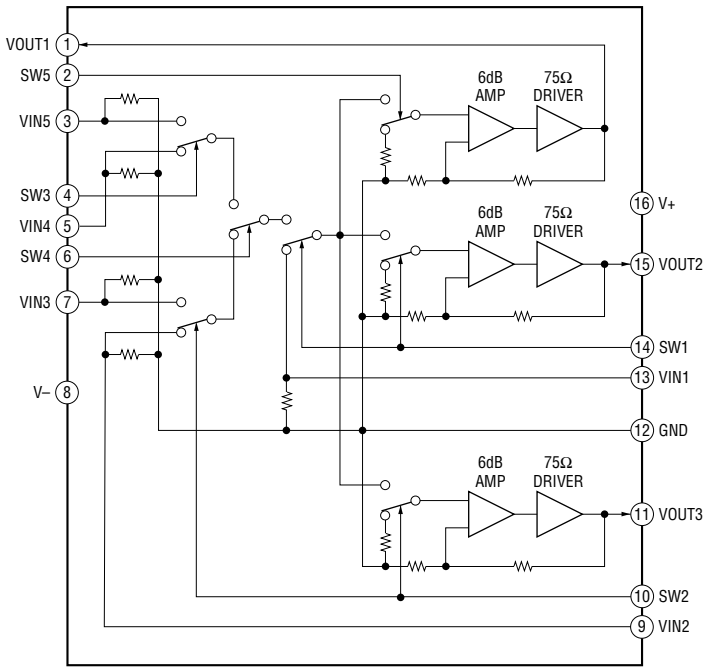


– S-VIDEO Board –

IC6901 NJM2596M (TE2)

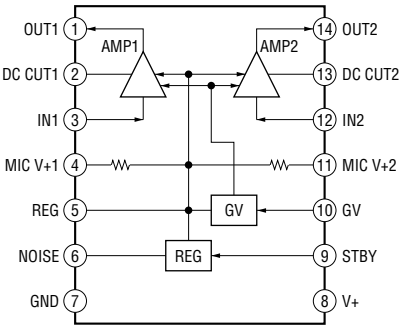


IC6902 NJM2595M-TE2



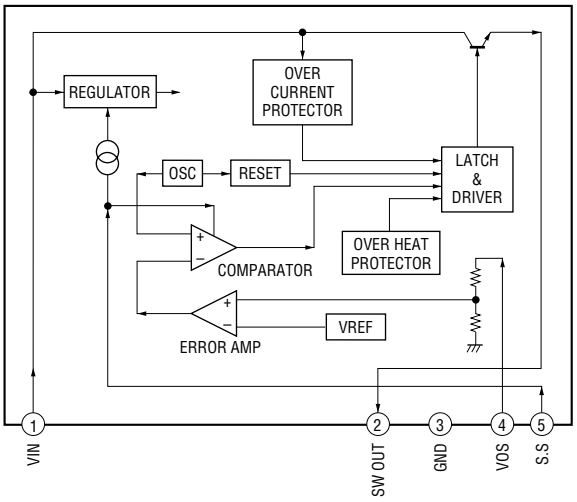
– DISPLAY Board –

IC703 NJM2173AV (TE2)

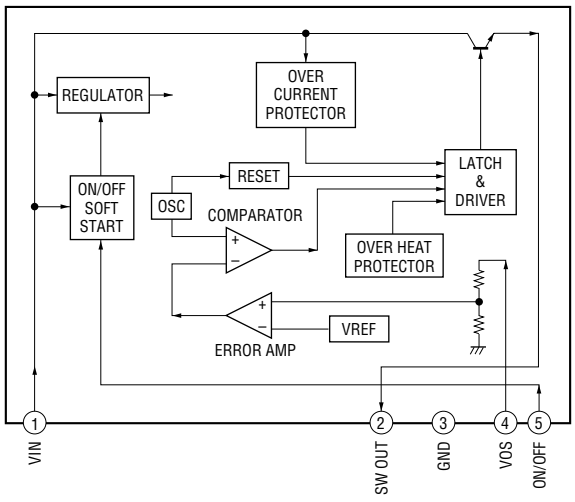


– DC-DC Board –

IC1403 SI-8050S-LF1101



IC1404 SI-8120JF



- **IC Pin Function Description**

DIGITAL BOARD IC2054 MB91F355APMT-A1ES-X103 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	BASS JOG1, BASS JOG2	I	Jog dial pulse input from the rotary encoder (for TUNE)
3. 4	TREB JOG1, TREB JOG2	I	Jog dial pulse input from the rotary encoder (for TONE)
5	SVOL LAT (A90)	O	Serial data latch pulse signal output terminal Not used
6	TUNER LAT	O	Serial data latch pulse signal output to the tuner
7	TUNER DO	I	Serial data input from the tuner
8	TUNED	I	Tuned detection signal input from the tuner
9	STEREO	I	FM stereo detection signal input from the tuner
10	RDS DATA	I	RDS serial data input from the tuner
11	DATA0	I	Audio serial data input from the digital audio interface
12	DSP RESET	O	System reset signal output to the DSP "L": reset
13	DSP (LAT)	O	Serial data latch pulse output to the DSP
14	DSP SPICLK	O	Mic on/off control signal output terminal
15	DSP MISO	I	Serial data input terminal Not used
16	DSP MOSI	O	Serial data output terminal Not used
17	VSS	-	Ground terminal
18	VCC	-	Power supply terminal (+3.3V)
19, 20	DSP BCFG0, DSP BCFG1	-	Not used
21	SF CPU CE	O	Chip enable signal output to the serial flash
22	SF DSP MAS	I	Master/slave selection signal input from the DSP "L": DSP is master
23	96/24	-	Not used
24	T/A XCS	O	Chip select signal output terminal Not used
25	T/A SO	I	Serial data input from the lip sync adjust
26	T/A XRST	O	System reset signal output terminal Not used
27	MAIN DO	O	Serial data output terminal Not used
28	MAIN CLK	O	Serial data transfer clock signal output terminal Not used
29	SUB-U RESET	O	System reset signal output terminal Not used
30	DIR XMODE	O	System reset signal output to the digital audio interface "L": reset
31	DIR CE	O	Chip enable signal output to the digital audio interface
32	DIR DO	I	Serial data input from the digital audio interface
33	DIR ERROR	I	PLL lock error signal and data error flag input from the digital audio interface
34	DIR CKST	I	Clock select signal input from the digital audio interface
35	VSS	-	Ground terminal
36	VCC	-	Power supply terminal (+3.3V)
37	AD/DA RESET	O	System reset signal output to the A/D converter and D/A converter "L": reset
38	DAC LAT	O	Serial data latch pulse signal output to the D/A converter
39	DAC DO	I	Serial data input from the D/A converter
40	AD (SB) RESET	O	System reset signal output terminal Not used "L": reset
41, 42	ADMIX LAT (A90)	O	Serial data latch pulse signal output terminal Not used
43	RF ERR (A90)	I	Error signal input terminal Not used
44	MUTE	O	System muting on/off control signal output terminal
45	DAVS	-	Ground terminal
46	DAVC	-	Power supply terminal (+3.3V)
47 to 49	NO USE	-	Not used

Pin No.	Pin Name	I/O	Description
50 to 52	AD KEY1 to AD KEY3	I	Front panel key input terminal (A/D input)
53, 54	NO USE	-	Not used
55	VERSION	I	Setting terminal for version
56, 57	NO USE	-	Not used
58	RDS SIGNAL	I	RDS signal input from the tuner
59 to 61	NO USE	-	Not used
62	AVCC	-	Power supply terminal (+3.3V)
63	AVRH	I	Reference voltage input terminal (+3.3V)
64	AVSS/AVRL	-	Ground terminal
65	VSS	-	Ground terminal
66	VCC	-	Power supply terminal (+3.3V)
67	IH ERROR	I	Error signal input terminal Not used
68	9742 INT	O	Initialize signal output terminal Not used
69	RY595 LAT (A90)	O	Serial data latch pulse signal output terminal Not used
70	C595 LAT (A90)	O	Serial data latch pulse signal output terminal Not used
71	D595 OE	O	Output enable signal output to the data decoder
72	D595 LAT	O	Serial data latch pulse output to the data decoder
73	O595 LAT	O	Serial data latch pulse output to the data decoder
74	FUNC LAT	O	Serial data latch pulse output to the analog input section
75	PREVOL LAT	O	Serial data latch pulse output to the pre audio section
76	PREOUT RY	O	Relay drive signal (for pre audio section) output terminal
77	V595 OE	O	Output enable signal output to the data decoder
78	V595 LAT	O	Serial data latch pulse output to the data decoder
79	VSS	-	Ground terminal
80	VCC	-	Power supply terminal (+3.3V)
81	FLSH-PN0	-	Not used
82	COM1 CLK	O	Serial data transfer clock signal output to the tuner, digital audio interface, D/A converter and data decoder
83	FLSH-PN2	-	Not used
84	COM1 DAT	O	Serial data output to the tuner, digital audio interface, D/A converter and data decoder
85	COM2 CLK	O	Serial data transfer clock signal output to the electrical volume, input selector IC and data decoder
86	COM2 DAT	O	Serial data output to the electrical volume, input selector IC and data decoder
87	OSD LAT	O	Serial data latch pulse signal output to the OSD driver
88	OSD DATA	O	Serial data output to the OSD driver
89	OSD CLK	O	Serial data transfer clock signal output to the OSD driver
90 to 92	NO USE	-	Not used
93	VSS	-	Ground terminal
94	UPCON DATA	I/O	Serial data input/output with the chroma decoder
95	UPCON CLK	O	Serial data transfer clock signal output to the chroma decoder
96	VSS	-	Ground terminal
97	VCC	-	Power supply terminal (+3.3V)
98	SIRCS IN	I	SIRCS signal input terminal
99	DSP INT	I	Interrupt status input from the DSP
100	RDS CLK	I	RDS serial data transfer clock signal input from the tuner
101	POWER KEY	I	Power key input terminal Not used
102	NO USE	O	Chip enable signal output to the HDMI receiver

Pin No.	Pin Name	I/O	Description
103	NO USE	O	Source selection signal output to the HDMI receiver
104	NO USE	I	HDMI jack detection signal input terminal
105	CTL-A1 IN	I	Power key input terminal
106	CTL-A1 LAT	O	Serial data latch pulse signal output to the electrical volume
107	CTL-A1 OUT	O	Relay drive signal (for front-A) output terminal
108	STOP	I	AC off detection signal input terminal
109	MBUS STS0	O	Relay drive signal (for front-B) output terminal
110	MBUS STS1	O	Relay drive signal (for center) output terminal
111	MBUS STS2	O	Relay drive signal (for surround back) output terminal
112	MBUS STS3	O	Relay drive signal (for surround) output terminal
113	MBUS STS4	I	Protect signal input terminal
114	VSS	-	Ground terminal
115	VCC	-	Power supply terminal (+3.3V)
116	DAB TX	I	Serial data input from the DSP or serial flash
117	DAB RX	O	Serial data output to the DSP or serial flash
118	DAB POWER	O	Serial data transfer clock signal output to the DSP
119	ILINK TX	I	UART communication transfer data input terminal Not used
120	ILINK RX	O	UART communication receive data output terminal Not used
121	ILINK RESET	O	System reset signal output terminal Not used
122	HDMI TX	I	Serial data input terminal Not used
123	HDMI RX	O	Serial data output terminal Not used
124	HDMI RESET	O	System reset signal output terminal Not used
125	FLASH SI	I	Serial data input terminal Not used
126	FLASH SO	O	Serial data output terminal Not used
127	ILINK CTS	O	Serial data transfer clock signal output terminal Not used
128	ILINK RTS	I	Serial data input terminal Not used
129	FL DATA	O	Serial data output to the fluorescent indicator tube
130	FL CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
131	NO USE	-	Not used
132	END FLAG	O	End flag output terminal Not used
133	RST TRG	O	Reset signal output terminal
134	NMIX	-	Not used
135	XA-OUT	-	Not used
136	VSS	-	Ground terminal
137	XA-IN	-	Not used
138 to 140	MD2 to MD0	I	Model destination signal input terminal
141	X-IN	I	Main system clock input terminal (12.5 MHz)
142	VCC	-	Power supply terminal (+3.3V)
143	X-OUT	O	Main system clock output terminal (12.5 MHz)
144	XRESET	I	System reset signal input terminal "L": reset
145	VSS	-	Ground terminal
146	VCC	-	Power supply terminal (+3.3V)
147	POWER RY1	O	Relay drive signal (for main power) output terminal Not used
148	POWER RY2	O	Relay drive signal (for main power) output terminal "H": relay on
149, 150	FUNCTION JOG1, FUNCTION JOG2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)

Pin No.	Pin Name	I/O	Description
151, 152	VOL JOG1, VOL JOG2	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME)
153	H.P. IN	I	Headphone detection signal input terminal "H": headphone is connected
154	LED CLR	O	LED drive signal output terminal
155	LED LAT	O	LED drive signal output terminal
156	FL CLR	O	Clear signal output terminal Not used
157	FL LAT	O	Serial data latch pulse output to the fluorescent indicator tube
158, 159	SP-SW FA, SP-SW FB	I	Front speaker selection switch input terminal Not used
160	SP-SW SA (A90)	O	LED drive signal output terminal
161	SP-SW SB (A90)	O	LED drive signal output terminal
162	VSS	-	Ground terminal
163	VCC	-	Power supply terminal (+3.3V)
164	FSRATE	I	L/R sampling clock signal (44.1 kHz) input terminal
165	SUB-U DATA	I	Serial data input terminal Not used
166	NO USE	-	Not used
167	EEPROM SDA	I/O	Two-way data bus with the EEPROM
168	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM
169	+/- JOG1	I	Jog dial pulse input terminal Not used
170	+/- JOG2	I	Thermistor connection terminal for abnormal temperature detection
171, 172	PAGE JOG1, PAGE JOG2	I	Jog dial pulse input terminal Not used
173	MAIN MENU JOG1	I	Jog dial pulse input terminal Not used
174	MAIN MENU JOG2	O	Blanking period signal output to the fluorescent indicator tube
175	VSS	-	Ground terminal
176	VCC	-	Power supply terminal (+3.3V)

DSP BOARD IC2 ADSP21266SKSTZ-2C (DSP)

Pin No.	Pin Name	I/O	Description
1	VDDINT	-	Power supply terminal (+1.2V)
2, 3	CLKCFG0, CLKCFG1	I	Clock frequency setting terminal
4, 5	BOOTCFG0, BOOTCFG1	I	Boot mode setting terminal for DSP
6	GND	-	Ground terminal
7	VDDEXT	-	Power supply terminal (+3.3V)
8	GND	-	Ground terminal
9	VDDINT	-	Power supply terminal (+1.2V)
10	GND	-	Ground terminal
11	VDDINT	-	Power supply terminal (+1.2V)
12	GND	-	Ground terminal
13	VDDINT	-	Power supply terminal (+1.2V)
14	GND	-	Ground terminal
15	INT_REQ	O	Interrupt status output to the main system controller
16	DIR_ERR	O	PLL lock error signal and data error flag output to the main system controller
17	AD7	I/O	Two-way data bus and address signal output with S-RAM
18	GND	-	Ground terminal
19	VDDINT	-	Power supply terminal (+1.2V)
20	GND	-	Ground terminal
21	VDDEXT	-	Power supply terminal (+3.3V)
22	GND	-	Ground terminal
23	VDDINT	-	Power supply terminal (+1.2V)
24 to 26	AD6 to AD4	I/O	Two-way data bus and address signal output with S-RAM
27	VDDINT	-	Power supply terminal (+1.2V)
28	GND	-	Ground terminal
29, 30	AD3, AD2	I/O	Two-way data bus and address signal output with S-RAM
31	VDDEXT	-	Power supply terminal (+3.3V)
32	GND	-	Ground terminal
33, 34	AD1, AD0	I/O	Two-way data bus and address signal output with S-RAM
35	XWR	O	Data write enable signal output to the S-RAM "L" active
36, 37	VDDINT	-	Power supply terminal (+1.2V)
38	GND	-	Ground terminal
39	XRD	O	Read strobe signal output to the S-RAM "L" active
40	ALE	O	Enable signal output to the Address latch IC
41 to 43	AD15 to AD13	I/O	Two-way data bus and address signal output with S-RAM
44	GND	-	Ground terminal
45	VDDEXT	-	Power supply terminal (+3.3V)
46	AD12	I/O	Two-way data bus and address signal output with S-RAM
47	VDDINT	-	Power supply terminal (+1.2V)
48	GND	-	Ground terminal
49 to 52	AD11 to AD8	I/O	Two-way data bus and address signal output with S-RAM
53	A16	O	Address signal output to S-RAM
54	VDDINT	-	Power supply terminal (+1.2V)
55	GND	-	Ground terminal
56, 57	A17, A18	O	Address signal output to S-RAM

Pin No.	Pin Name	I/O	Description
58	GND	-	Ground terminal
59	VDDEXT	-	Power supply terminal (+3.3V)
60	VDDINT	-	Power supply terminal (+1.2V)
61	GND	-	Ground terminal
62	PF_CE	I/O	Chip enable signal input/output terminal Not used
63	SPI_MAS	O	Master/slave selection signal output terminal "L": DSP is master
64	DPSOA	O	PCM audio signal (front L/R) output terminal
65	DPSOB	O	PCM audio signal (surround L/R) output terminal
66	VDDINT	-	Power supply terminal (+1.2V)
67	GND	-	Ground terminal
68	VDDINT	-	Power supply terminal (+1.2V)
69	GND	-	Ground terminal
70	DPSOC	O	PCM audio signal (center, sub woofer) output terminal
71	DPSOD	O	PCM audio signal (surround back L/R) output terminal
72	VDDINT	-	Power supply terminal (+1.2V)
73	VDDEXT	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	VDDINT	-	Power supply terminal (+1.2V)
76	GND	-	Ground terminal
77	DPSOE	O	PCM audio signal output terminal Not used
78	DPSIA	I	PCM audio signal (digital input) input terminal
79	DPSIB	I	PCM audio signal (front L/R) input terminal
80	DPSIC	I	PCM audio signal (surround L/R) input terminal
81	DPSID	I	PCM audio signal (center, sub woofer) input terminal
82	DPSIE	I	PCM audio signal (surround back L/R) input terminal
83	VDDINT	-	Power supply terminal (+1.2V)
84, 85	GND	-	Ground terminal
86	DPDVLRCK	O	L/R sampling clock signal (44.1 kHz) output terminal for PCM audio output
87	DPDVBCK	O	Bit clock signal (2.8224 MHz) output terminal for PCM audio output
88	DPLRCK	I	L/R sampling clock signal (44.1 kHz) input terminal for PCM audio input
89	DPBCK	I	Bit clock signal (2.8224 MHz) input terminal for PCM audio input
90	VDDINT	-	Power supply terminal (+1.2V)
91, 92	GND	-	Ground terminal
93	VDDEXT	-	Power supply terminal (+3.3V)
94	DPFSCK	I	Master clock signal input terminal
95	GND	-	Ground terminal
96	VDDINT	-	Power supply terminal (+1.2V)
97	XNONAUDIO	I	Digital input signal switch control signal input terminal
98	XSF_CE	O	Chip enable signal output to the flash memory
99	VDDINT	-	Power supply terminal (+1.2V)
100	GND	-	Ground terminal
101	VDDINT	-	Power supply terminal (+1.2V)
102	GND	-	Ground terminal
103	VDDINT	-	Power supply terminal (+1.2V)
104	GND	-	Ground terminal
105	VDDINT	-	Power supply terminal (+1.2V)
106	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
107, 108	VDDINT	-	Power supply terminal (+1.2V)
109	GND	-	Ground terminal
110	VDDINT	-	Power supply terminal (+1.2V)
111	GND	-	Ground terminal
112	VDDINT	-	Power supply terminal (+1.2V)
113	GND	-	Ground terminal
114	VDDINT	-	Power supply terminal (+1.2V)
115	GND	-	Ground terminal
116	VDDEXT	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal
118	VDDINT	-	Power supply terminal (+1.2V)
119	GND	-	Ground terminal
120	VDDINT	-	Power supply terminal (+1.2V)
121	XRESET	I	System reset signal input to the main system controller
122	XSPIDS	I	Serial data latch pulse signal input to the main system controller
123	GND	-	Ground terminal
124	VDDINT	-	Power supply terminal (+1.2V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with the flash memory
126	MISO	I/O	When DSP is master: Serial data input from the flash memory When DSP is slave: Serial data output to the main system controller
127	MOSI	I/O	When DSP is master: Serial data output to the flash memory When DSP is slave: Serial data input from the main system controller
128	GND	-	Ground terminal
129	VDDINT	-	Power supply terminal (+1.2V)
130	VDDEXT	-	Power supply terminal (+3.3V)
131	AVDD	-	Power supply terminal (+3.3V)
132	AVSS	-	Ground terminal
133	GND	-	Ground terminal
134	CLKOUT	-	Not used
135	XEMU	-	Not used
136	TDO	-	Not used
137	TDI	-	Not used
138	CTRST	-	Not used
139	TCK	-	Not used
140	TMS	-	Not used
141	GND	-	Ground terminal
142	CLKIN	I	System clock input terminal (25 MHz)
143	XTAL	O	System clock output terminal (25 MHz)
144	VDDEXT	-	Power supply terminal (+3.3V)

HDMI SW BOARD IC5001 TMDS341PFCR (HDMI RECEIVER, HDMI TRANSCEIVER)

Pin No.	Pin Name	I/O	Description
1	NC	-	Not used
2	SDA1	I/O	I2C two-way data bus with the HDMI VIDEO IN jack
3	SCL1	I	I2C clock signal input from the HDMI VIDEO IN jack
4	GND	-	Ground terminal
5	B11	I	TMDS clock signal (negative) input from the HDMI VIDEO IN jack
6	A11	I	TMDS clock signal (positive) input from the HDMI VIDEO IN jack
7	VCC	-	Power supply terminal (+3.3V)
8	B12	I	TMDS data (negative) input from the HDMI VIDEO IN jack
9	A12	I	TMDS data (positive) input from the HDMI VIDEO IN jack
10	GND	-	Ground terminal
11	B13	I	TMDS data (negative) input from the HDMI VIDEO IN jack
12	A13	I	TMDS data (positive) input from the HDMI VIDEO IN jack
13	VCC	-	Power supply terminal (+3.3V)
14	B14	I	TMDS data (negative) input from the HDMI VIDEO IN jack
15	A14	I	TMDS data (positive) input from the HDMI VIDEO IN jack
16	GND	-	Ground terminal
17	VCC	-	Power supply terminal (+3.3V)
18	VSADJ	I	TMDS compliant voltage swing control signal input terminal Not used
19	PRE	I	Output de-emphasis setting terminal "L": 0 dB, "H": 3 dB Fixed at "L" in this set
20	NC	-	Not used
21	S1	I	Source selection signal input from the system controller
22, 23	S2, S3	I	Source selection signal input terminal Not used
24	GND	-	Ground terminal
25	Y4	O	TMDS data (positive) output to the HDMI MONITOR OUT jack
26	Z4	O	TMDS data (negative) output to the HDMI MONITOR OUT jack
27	VCC	-	Power supply terminal (+3.3V)
28	Y3	O	TMDS data (positive) output to the HDMI MONITOR OUT jack
29	Z3	O	TMDS data (negative) output to the HDMI MONITOR OUT jack
30	GND	-	Ground terminal
31	Y2	O	TMDS data (positive) output to the HDMI MONITOR OUT jack
32	Z2	O	TMDS data (negative) output to the HDMI MONITOR OUT jack
33	VCC	-	Power supply terminal (+3.3V)
34	Y1	O	TMDS data (positive) output to the HDMI MONITOR OUT jack
35	Z1	O	TMDS data (negative) output to the HDMI MONITOR OUT jack
36, 37	GND	-	Ground terminal
38	SCL_SINK	O	I2C clock signal output to the HDMI MONITOR OUT jack
39	SDA_SINK	I/O	I2C two-way data bus with the HDMI MONITOR OUT jack
40	HPD_SINK	I	Hot plug detection signal input terminal for the HDMI MONITOR OUT jack
41	NC	-	Not used
42	OEB	I	Chip enable signal input from the system controller "L": active
43	VCC	-	Power supply terminal (+3.3V)
44	HPD3	O	Hot plug detection signal output terminal Not used
45	SDA3	I/O	I2C two-way data bus terminal Not used
46	SCL3	I	I2C clock signal input terminal Not used
47	GND	-	Ground terminal
48	B31	I	TMDS clock signal (negative) input terminal Not used

Pin No.	Pin Name	I/O	Description
49	A31	I	TMDS clock signal (positive) input terminal Not used
50	VCC	-	Power supply terminal (+3.3V)
51	B32	I	TMDS data (negative) input terminal Not used
52	A32	I	TMDS data (positive) input terminal Not used
53	GND	-	Ground terminal
54	B33	I	TMDS data (negative) input terminal Not used
55	A33	I	TMDS data (positive) input terminal Not used
56	VCC	-	Power supply terminal (+3.3V)
57	B34	I	TMDS data (negative) input terminal Not used
58	A34	I	TMDS data (positive) input terminal Not used
59	GND	-	Ground terminal
60	NC	-	Not used
61	VCC	-	Power supply terminal (+3.3V)
62	HPD3	O	Hot plug detection signal output to the HDMI DVD IN jack
63	SDA3	I/O	I2C two-way data bus with the HDMI DVD IN jack
64	SCL3	I	I2C clock signal input from the HDMI DVD IN jack
65	GND	-	Ground terminal
66	B31	I	TMDS clock signal (negative) input from the HDMI DVD IN jack
67	A31	I	TMDS clock signal (positive) input from the HDMI DVD IN jack
68	VCC	-	Power supply terminal (+3.3V)
69	B32	I	TMDS data (negative) input from the HDMI DVD IN jack
70	A32	I	TMDS data (positive) input from the HDMI DVD IN jack
71	GND	-	Ground terminal
72	B33	I	TMDS data (negative) input from the HDMI DVD IN jack
73	A33	I	TMDS data (positive) input from the HDMI DVD IN jack
74	VCC	-	Power supply terminal (+3.3V)
75	B34	I	TMDS data (negative) input from the HDMI DVD IN jack
76	A34	I	TMDS data (positive) input from the HDMI DVD IN jack
77	GND	-	Ground terminal
78	NC	-	Not used
79	VCC	-	Power supply terminal (+3.3V)
80	HPD1	O	Hot plug detection signal output to the HDMI VIDEO IN jack

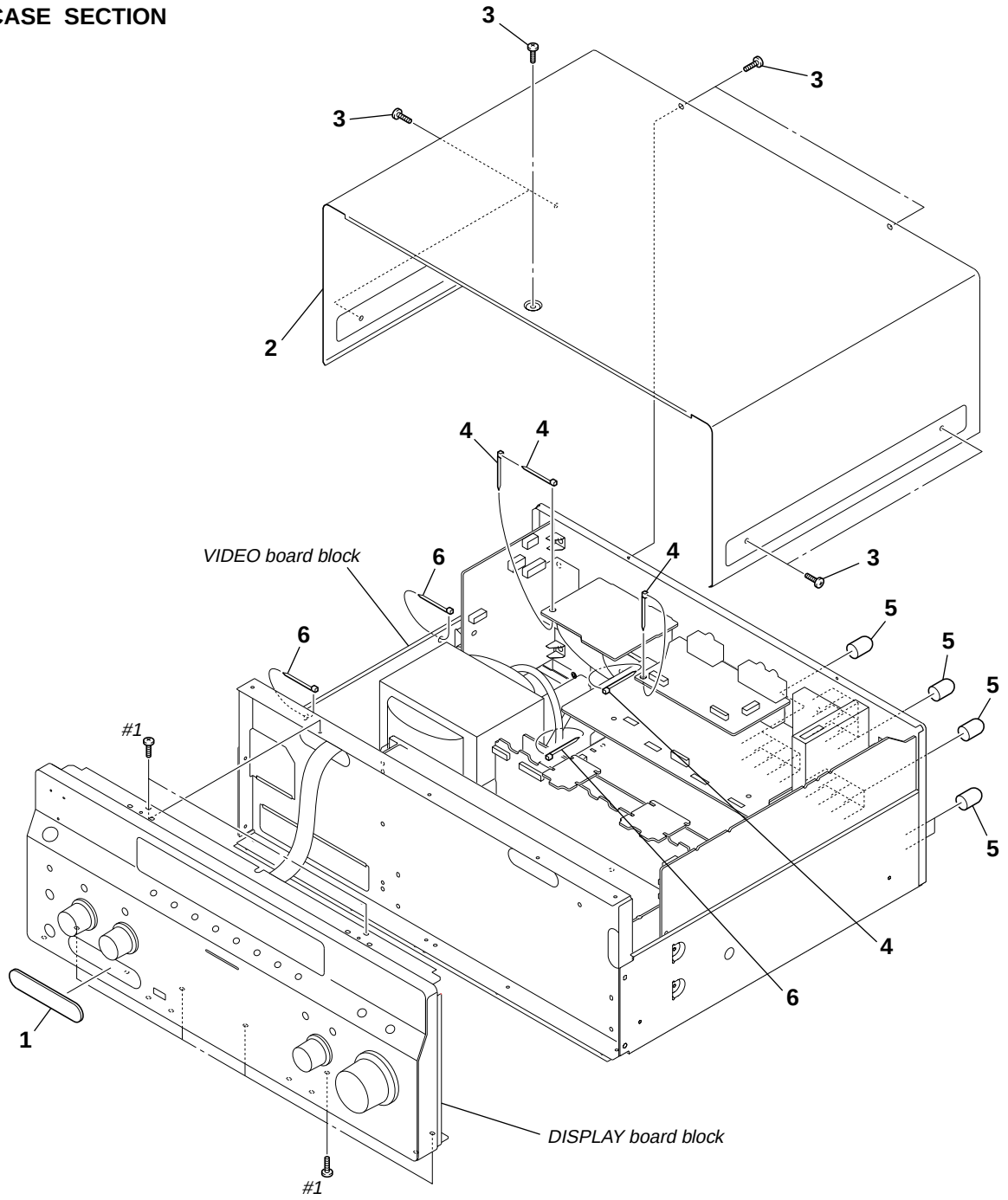
SECTION 7
EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

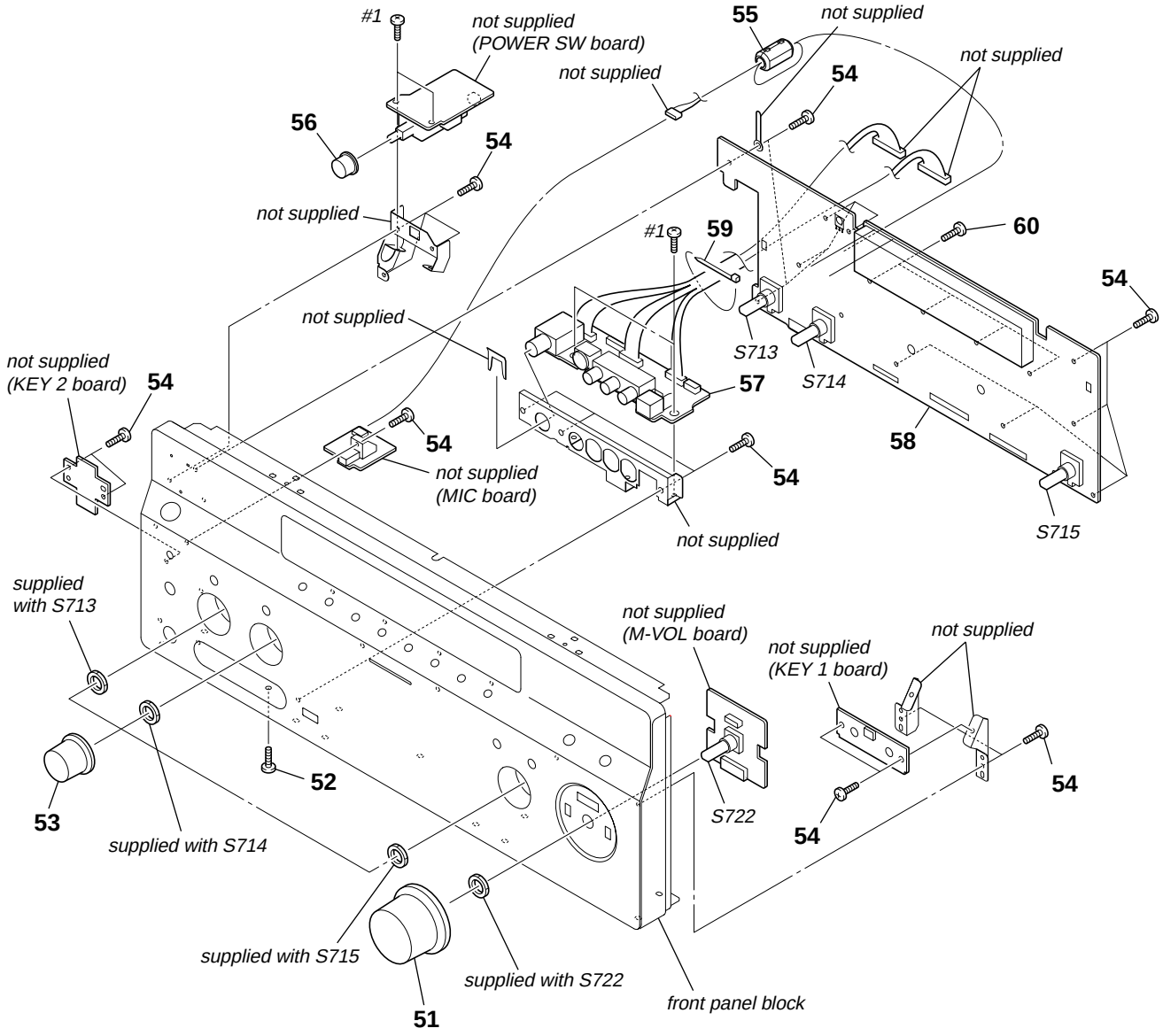
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

7-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	2-698-310-01	LID (A2) (BLACK)	
1	2-698-310-11	LID (A2) (SILVER)	
2	2-668-102-11	CASE (BLACK)	
2	2-668-102-31	CASE (SILVER)	
3	4-227-843-03	SCREW (TP), FLAT HEAD (for BLACK)	
3	4-227-843-31	SCREW (TP), FLAT HEAD (for SILVER)	
4	3-655-653-11	BAND (TAITON), BINDING	
5	3-302-708-11	COVER, CONNECTOR	
6	3-655-653-21	BAND (TAITON), BINDING	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

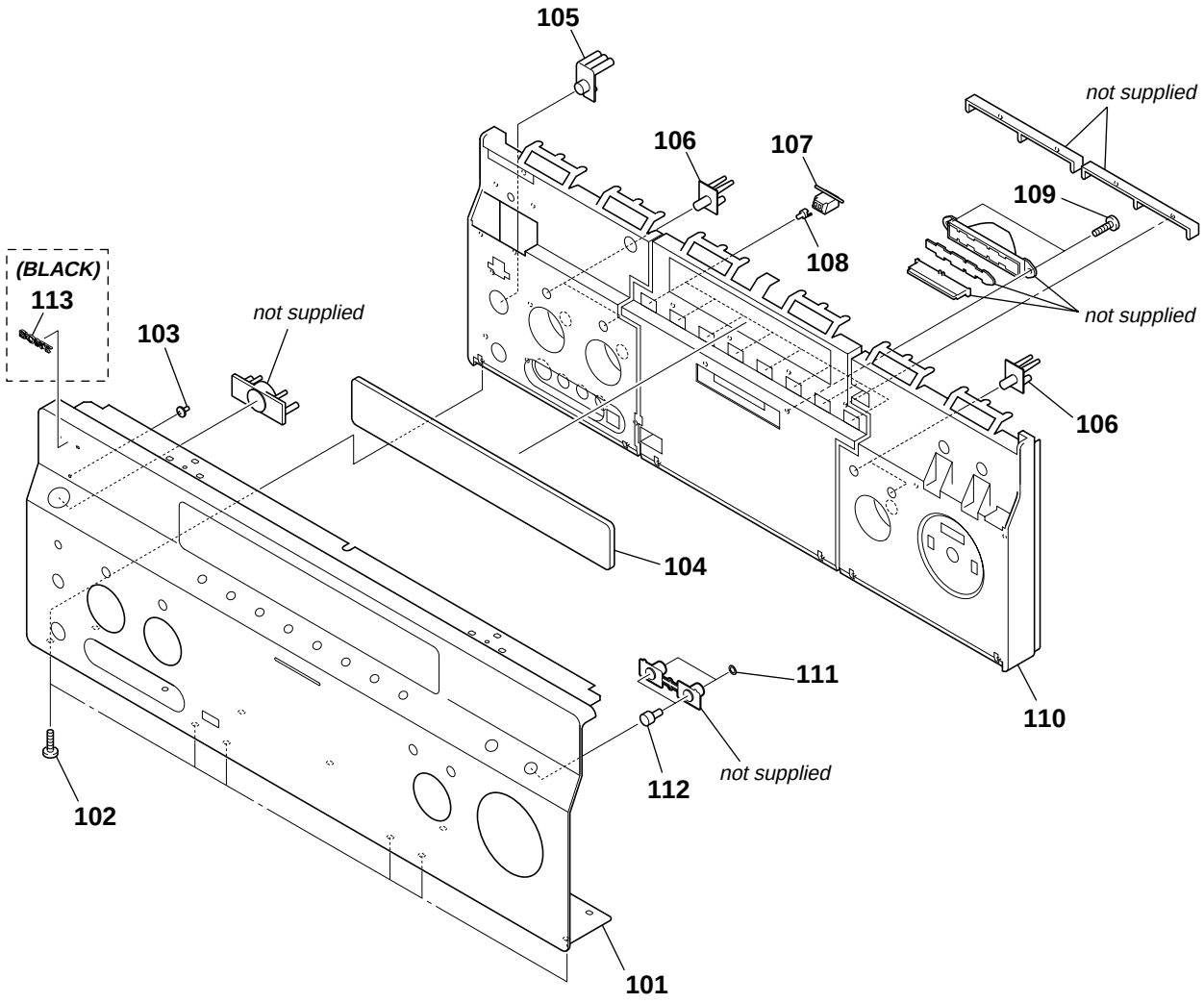
7-2. DISPLAY BOARD BLOCK



Ref. No.	Part No.	Description	Remark
51	X-4955-650-1	KNOB (VOL) ASSY (SILVER)	
51	X-4955-657-1	KNOB (VOL) ASSY (BLACK)	
52	3-704-515-22	SCREW (BV/RING)	
53	2-661-141-01	MENU KNOB (BLACK)	
53	2-661-141-11	MENU KNOB (SILVER)	
54	3-087-053-01	+BVTP2.6 (3CR)	
55	1-543-793-11	FILTER, CLAMP (FERRITE CORE)	
56	X-4955-616-1	BUTTON (POWER) ASSY (POWER) (BLACK)	
56	X-4955-618-1	BUTTON (POWER) ASSY (POWER) (SILVER)	
57	A-1182-363-A	VIDEO 3 BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remark
58	A-1182-358-A	DISPLAY BOARD, COMPLETE	
59	3-655-653-21	BAND (TAITON), BINDING	
60	3-087-053-11	+BVTP2.6 (3CR)	
S713	1-418-400-11	ENCODER, ROTARY (TONE)	
S714	1-418-400-11	ENCODER, ROTARY (TUNING)	
S715	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)	
S722	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

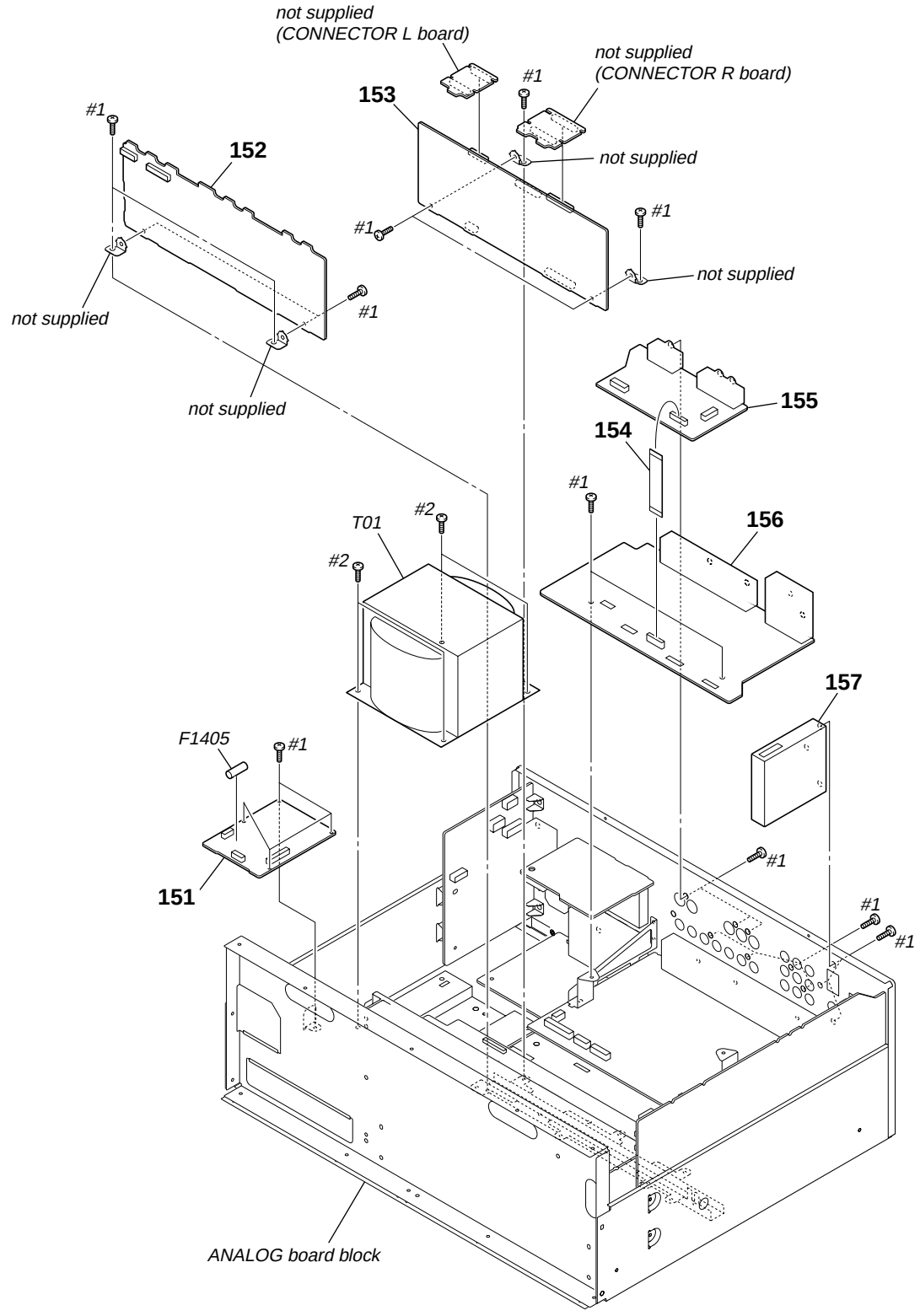
7-3. FRONT PANEL BLOCK



Ref. No.	Part No.	Description	Remark
101	2-668-107-01	PANEL (A2), FRONT (BLACK)	
101	2-668-107-11	PANEL (A2), FRONT (SILVER)	
102	3-704-515-22	SCREW (BV/RING)	
103	X-4950-462-1	LENS ASSY, LED	
104	2-668-128-01	PLATE (A2), INDICATION (for BLACK)	
104	2-668-128-11	PLATE (A2), INDICATION (for SILVER)	
105	4-245-434-01	BUTTON (SP) (BLACK)	
105	4-245-434-41	BUTTON (SP) (SILVER)	
106	2-668-113-01	BUTTON (ZONE) (BLACK)	
106	2-668-113-11	BUTTON (ZONE) (SILVER)	

Ref. No.	Part No.	Description	Remark
107	2-676-728-01	BUTTON (MUSIC-B)	
108	2-676-727-01	BUTTON (MUSIC-A)	
109	3-087-053-01	+BVTP2.6 (3CR)	
110	2-668-108-01	BASE, PANEL (A2) (BLACK)	
110	2-668-108-11	BASE, PANEL (A2) (SILVER)	
111	3-325-697-21	WASHER	
112	4-246-100-03	BUTTON (DIA. 7) (SILVER)	
112	4-246-100-23	BUTTON (DIA. 7) (BLACK)	
113	4-942-568-41	EMBLEM (NO.5), SONY (BLACK)	

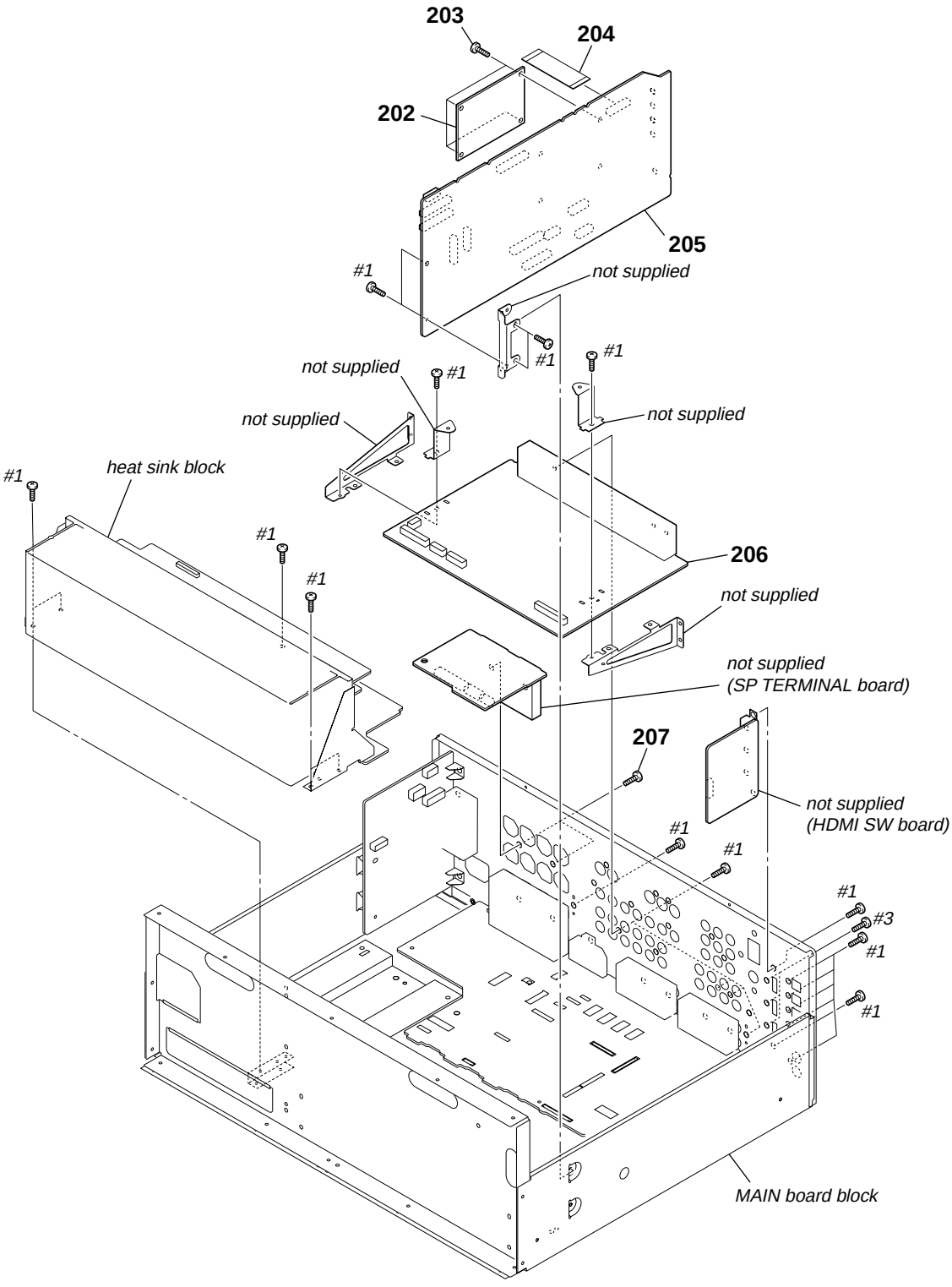
7-4. VIDEO BOARD BLOCK



Ref. No.	Part No.	Description	Remark
151	A-1182-296-A	DC-DC BOARD, COMPLETE	
152	A-1182-299-A	A CLASS AMP BOARD, COMPLETE	
153	A-1182-340-A	E-VOLUME BOARD, COMPLETE	
154	1-828-981-51	WIRE (FLAT TYPE) (15 CORE)	
155	A-1182-345-A	S-VIDEO BOARD, COMPLETE	
156	A-1182-344-A	VIDEO BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remark
157	1-693-676-11	TUNER	
⚠F1405	1-532-506-33	FUSE (T6.3AL/250V)	
⚠T01	1-445-044-11	TRANSFORMER, POWER	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-881-09	SCREW +BVTT 4X8 (S)	

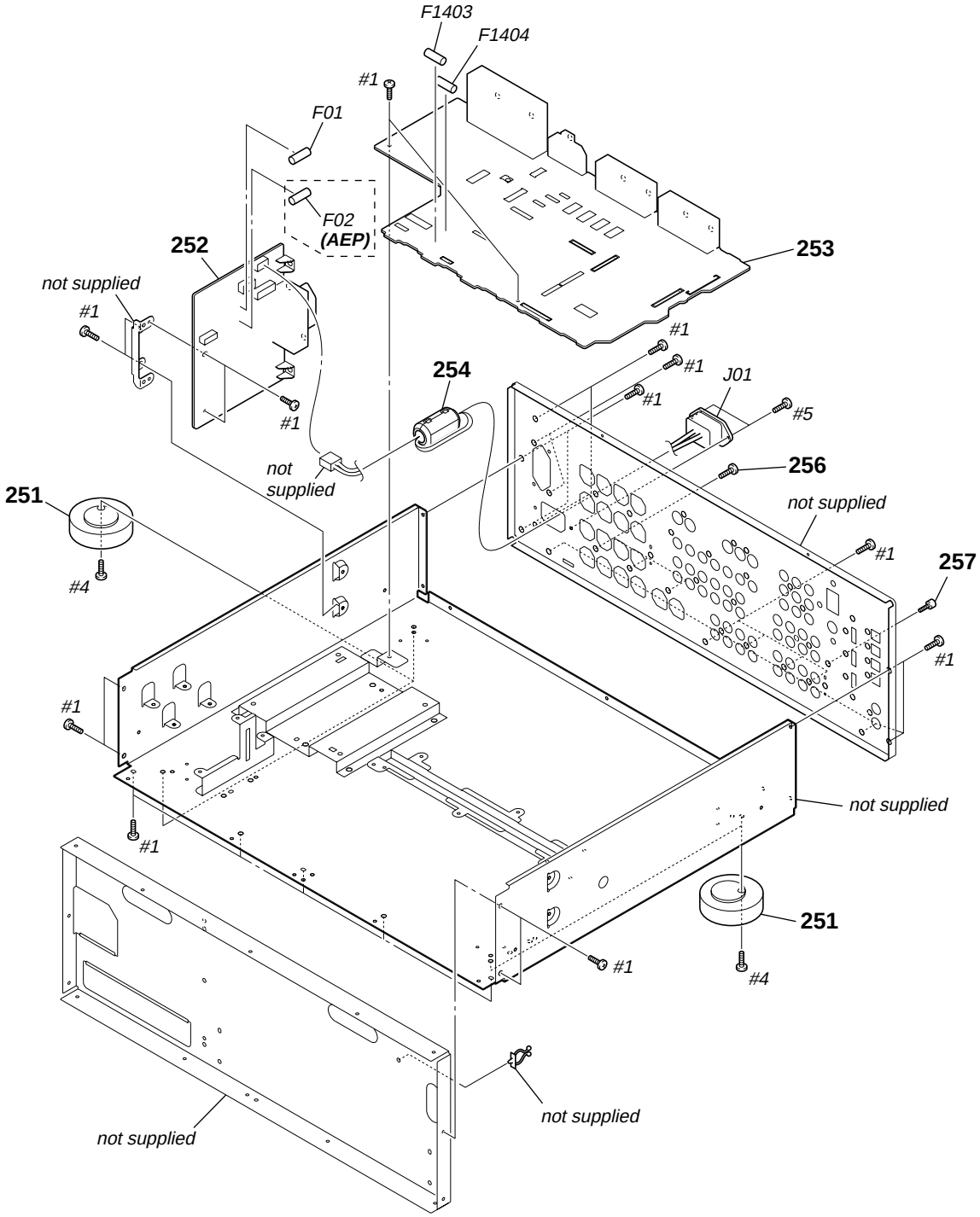
7-5. ANALOG BOARD BLOCK



Ref. No.	Part No.	Description	Remark
202	A-1182-351-A	DSP BOARD, COMPLETE	
203	3-087-053-01	+BVTP2.6 (3CR)	
204	1-828-337-51	WIRE (FLAT TYPE) (15 CORE)	
205	A-1182-343-A	DIGITAL BOARD, COMPLETE	
206	A-1182-339-A	ANALOG BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remark
207	3-704-515-51	SCREW (BV/RING)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-682-547-04	SCREW +B 3X6	

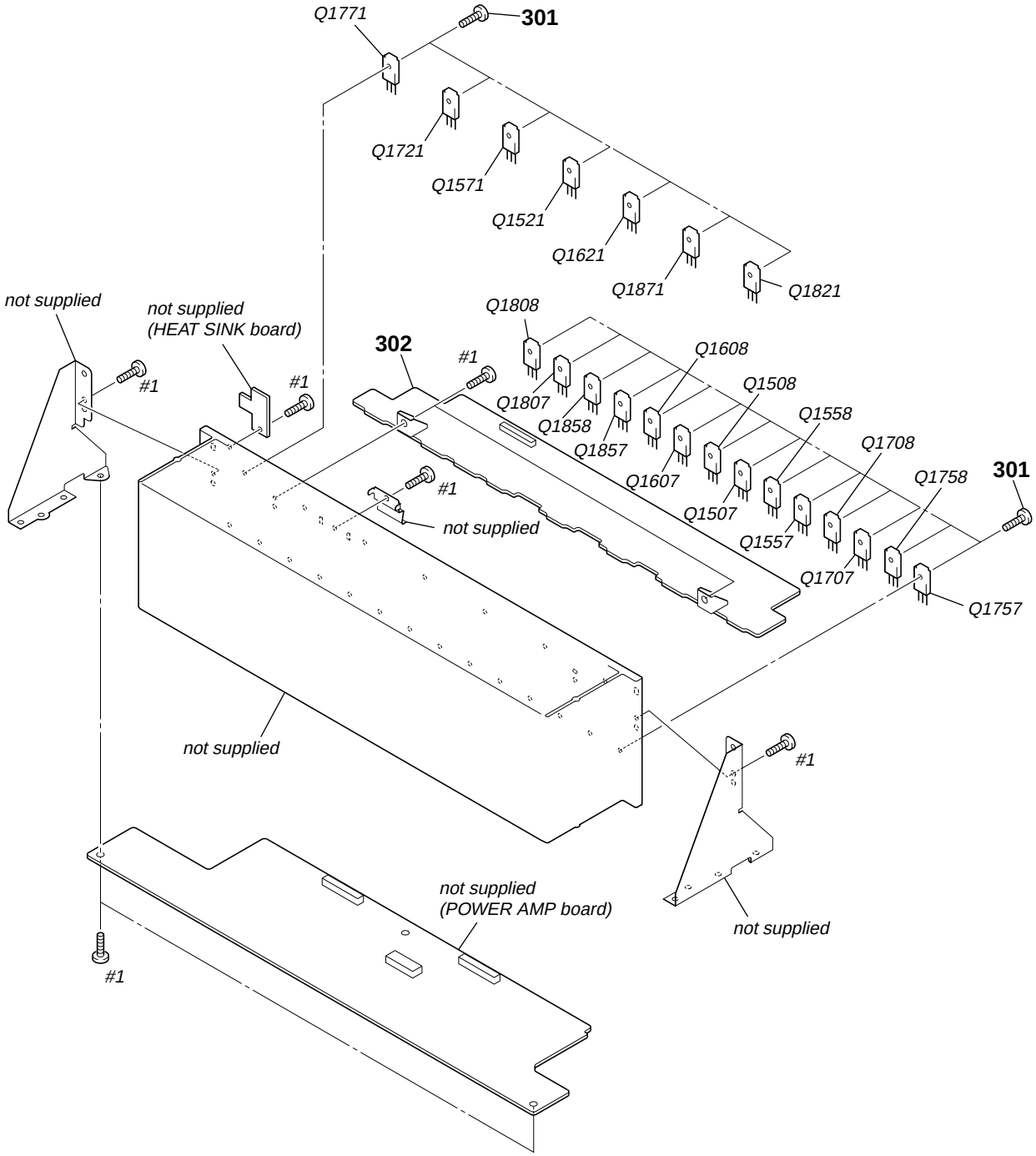
7-6. MAIN BOARD BLOCK



Ref. No.	Part No.	Description	Remark
251	X-4955-348-1	FOOT ASSY	
252	A-1182-298-A	AC BOARD, COMPLETE (AEP)	
252	A-1197-514-A	AC BOARD, COMPLETE (UK)	
253	A-1182-279-A	MAIN BOARD, COMPLETE	
254	1-500-824-11	FERRITE CORE	
256	3-704-515-51	SCREW (BV/RING)	
257	4-947-010-01	SCREW, FEEDER FIXED	
⚠F01	1-532-504-33	FUSE (T4.0AL/250V)	

Ref. No.	Part No.	Description	Remark
⚠F02	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
⚠F1403	1-532-504-33	FUSE (T4.0AL/250V)	
⚠F1404	1-532-504-33	FUSE (T4.0AL/250V)	
⚠J01	1-820-651-11	INLET, AC 2P (~ AC IN)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#4	7-685-885-09	SCREW +BVTT 4X16 (S)	
#5	7-685-246-19	SCREW +KTP 3X8 TYPE2 NON-SLIT	

7-7. HEAT SINK BLOCK



Ref. No.	Part No.	Description		Remark
301	3-905-609-13	SCREW (TRANSISTOR)		
302	A-1182-280-A	BIAS BOARD, COMPLETE		
Q1507	8-729-051-92	TRANSISTOR	2SD2560	
Q1508	8-729-051-93	TRANSISTOR	2SB1647	
Q1521	8-729-026-08	TRANSISTOR	2SC4495	
Q1557	8-729-051-92	TRANSISTOR	2SD2560	
Q1558	8-729-051-93	TRANSISTOR	2SB1647	
Q1571	8-729-026-08	TRANSISTOR	2SC4495	
Q1607	8-729-051-92	TRANSISTOR	2SD2560	
Q1608	8-729-051-93	TRANSISTOR	2SB1647	
Q1621	8-729-026-08	TRANSISTOR	2SC4495	
Q1707	8-729-051-92	TRANSISTOR	2SD2560	

Ref. No.	Part No.	Description		Remark
Q1708	8-729-051-93	TRANSISTOR	2SB1647	
Q1721	8-729-026-08	TRANSISTOR	2SC4495	
Q1757	8-729-051-92	TRANSISTOR	2SD2560	
Q1758	8-729-051-93	TRANSISTOR	2SB1647	
Q1771	8-729-026-08	TRANSISTOR	2SC4495	
Q1807	8-729-051-92	TRANSISTOR	2SD2560	
Q1808	8-729-051-93	TRANSISTOR	2SB1647	
Q1821	8-729-026-08	TRANSISTOR	2SC4495	
Q1857	8-729-051-92	TRANSISTOR	2SD2560	
Q1858	8-729-051-93	TRANSISTOR	2SB1647	
Q1871	8-729-026-08	TRANSISTOR	2SC4495	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		

SECTION 8
ELECTRICAL PARTS LIST

A CLASS AMP

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-1182-299-A	A CLASS AMP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1501	1-112-099-11	ELECT	4.7uF	20%	50V
C1502	1-128-809-11	CERAMIC	100PF	5%	50V
C1503	1-137-503-11	FILM	100PF	5%	100V
C1504	1-136-357-11	FILM	680PF	5%	100V
C1505	1-112-090-11	ELECT	100uF	20%	25V
C1507	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1508	1-112-421-11	ELECT	330uF	20%	25V
C1510	1-112-416-11	ELECT	220uF	20%	16V
C1511	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1515	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1551	1-112-099-11	ELECT	4.7uF	20%	50V
C1552	1-128-809-11	CERAMIC	100PF	5%	50V
C1553	1-137-503-11	FILM	100PF	5%	100V
C1554	1-136-357-11	FILM	680PF	5%	100V
C1555	1-112-090-11	ELECT	100uF	20%	25V
C1557	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1558	1-112-421-11	ELECT	330uF	20%	25V
C1560	1-112-416-11	ELECT	220uF	20%	16V
C1561	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1565	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1601	1-112-099-11	ELECT	4.7uF	20%	50V
C1602	1-128-809-11	CERAMIC	100PF	5%	50V
C1603	1-137-503-11	FILM	100PF	5%	100V
C1604	1-136-357-11	FILM	680PF	5%	100V
C1605	1-112-090-11	ELECT	100uF	20%	25V
C1607	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1608	1-112-421-11	ELECT	330uF	20%	25V
C1610	1-112-416-11	ELECT	220uF	20%	16V
C1611	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1615	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1701	1-112-099-11	ELECT	4.7uF	20%	50V
C1702	1-128-809-11	CERAMIC	100PF	5%	50V
C1703	1-137-503-11	FILM	100PF	5%	100V
C1704	1-136-357-11	FILM	680PF	5%	100V
C1705	1-112-090-11	ELECT	100uF	20%	25V
C1707	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1708	1-112-421-11	ELECT	330uF	20%	25V
C1710	1-112-416-11	ELECT	220uF	20%	16V
C1711	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1715	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1751	1-112-099-11	ELECT	4.7uF	20%	50V
C1752	1-128-809-11	CERAMIC	100PF	5%	50V
C1753	1-137-503-11	FILM	100PF	5%	100V
C1754	1-136-357-11	FILM	680PF	5%	100V
C1755	1-112-090-11	ELECT	100uF	20%	25V
C1757	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1758	1-112-421-11	ELECT	330uF	20%	25V
C1760	1-112-416-11	ELECT	220uF	20%	16V
C1761	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1765	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1801	1-112-099-11	ELECT	4.7uF	20%	50V
C1802	1-128-809-11	CERAMIC	100PF	5%	50V
C1803	1-137-503-11	FILM	100PF	5%	100V
C1804	1-136-357-11	FILM	680PF	5%	100V
C1805	1-112-090-11	ELECT	100uF	20%	25V
C1807	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1808	1-112-421-11	ELECT	330uF	20%	25V
C1810	1-112-416-11	ELECT	220uF	20%	16V
C1811	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1815	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1851	1-112-099-11	ELECT	4.7uF	20%	50V
C1852	1-128-809-11	CERAMIC	100PF	5%	50V
C1853	1-137-503-11	FILM	100PF	5%	100V
C1854	1-136-357-11	FILM	680PF	5%	100V
C1855	1-112-090-11	ELECT	100uF	20%	25V
C1857	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1858	1-112-421-11	ELECT	330uF	20%	25V
C1860	1-112-416-11	ELECT	220uF	20%	16V
C1861	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1865	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1901	1-112-109-11	ELECT	22uF	20%	100V
C1902	1-112-109-11	ELECT	22uF	20%	100V
C1911	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1912	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP1901	1-784-925-11	PIN, CONNECTOR 10P			
CNP1902	1-779-977-11	PIN, CONNECTOR 6P			
CNS1501	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P			
CNS1502	1-784-041-41	CONNECTOR, BOARD TO BOARD 9P			
CNS1903	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P			
CNS1904	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P			

A CLASS AMP

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D1501	8-719-109-93	DIODE RD6.2ESB2	
D1551	8-719-109-93	DIODE RD6.2ESB2	
D1601	8-719-109-93	DIODE RD6.2ESB2	
D1701	8-719-109-93	DIODE RD6.2ESB2	
D1751	8-719-109-93	DIODE RD6.2ESB2	
D1801	8-719-109-93	DIODE RD6.2ESB2	
D1851	8-719-109-93	DIODE RD6.2ESB2	
D1901	8-719-991-33	DIODE 1SS133T-77	
D1902	8-719-991-33	DIODE 1SS133T-77	
D1903	8-719-991-33	DIODE 1SS133T-77	
D1907	8-719-991-33	DIODE 1SS133T-77	
		< IC >	
IC1902	8-759-167-88	IC NJM4565D	
IC1904	8-759-239-14	IC TA78L05S	
		< TRANSISTOR >	
Q1501	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1502	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1503	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1504	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1505	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1551	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1552	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1553	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1554	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1555	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1601	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1602	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1603	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1604	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1605	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1701	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1702	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1703	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1704	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1705	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1751	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1752	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1753	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1754	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1755	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1801	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1802	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1803	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1804	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1805	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1851	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1852	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1853	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1854	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1855	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1901	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1902	8-729-140-96	TRANSISTOR 2SD774-34	
Q1903	8-729-140-96	TRANSISTOR 2SD774-34	
Q1910	8-729-029-94	TRANSISTOR DTC143TSA	
Q1911	8-729-029-86	TRANSISTOR DTC124ESA	
Q1912	8-729-029-86	TRANSISTOR DTC124ESA	
Q1913	8-729-029-86	TRANSISTOR DTC124ESA	
		< RESISTOR >	
R1501	1-259-428-61	CARBON 1K 5% 1/6W	
R1502	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1503	1-249-409-11	CARBON 220 5% 1/4W	F
⚠R1504	1-249-409-11	CARBON 220 5% 1/4W	F
R1505	1-259-410-61	CARBON 180 5% 1/6W	
R1506	1-259-440-61	CARBON 3.3K 5% 1/6W	
R1507	1-259-436-61	CARBON 2.2K 5% 1/6W	
R1509	1-260-116-11	CARBON 27K 5% 1/2W	
⚠R1511	1-249-405-11	CARBON 100 5% 1/4W	F
R1512	1-247-764-11	CARBON 10K 5% 1/2W	
R1513	1-247-759-11	CARBON 3.9K 5% 1/2W	
R1514	1-249-496-11	CARBON 100K 5% 1/2W	
R1549	1-259-476-61	CARBON 100K 5% 1/6W	
R1551	1-259-428-61	CARBON 1K 5% 1/6W	
R1552	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1553	1-249-409-11	CARBON 220 5% 1/4W	F
⚠R1554	1-249-409-11	CARBON 220 5% 1/4W	F
R1555	1-259-410-61	CARBON 180 5% 1/6W	
R1556	1-259-440-61	CARBON 3.3K 5% 1/6W	
R1557	1-259-436-61	CARBON 2.2K 5% 1/6W	
R1559	1-260-116-11	CARBON 27K 5% 1/2W	
⚠R1561	1-249-405-11	CARBON 100 5% 1/4W	F
R1562	1-247-764-11	CARBON 10K 5% 1/2W	
R1563	1-247-759-11	CARBON 3.9K 5% 1/2W	
R1564	1-249-496-11	CARBON 100K 5% 1/2W	
R1601	1-259-428-61	CARBON 1K 5% 1/6W	
R1602	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1603	1-249-409-11	CARBON 220 5% 1/4W	F
⚠R1604	1-249-409-11	CARBON 220 5% 1/4W	F
R1605	1-259-410-61	CARBON 180 5% 1/6W	
R1606	1-259-440-61	CARBON 3.3K 5% 1/6W	
R1607	1-259-436-61	CARBON 2.2K 5% 1/6W	
R1609	1-260-116-11	CARBON 27K 5% 1/2W	
⚠R1611	1-249-405-11	CARBON 100 5% 1/4W	F
R1612	1-247-764-11	CARBON 10K 5% 1/2W	
R1613	1-247-759-11	CARBON 3.9K 5% 1/2W	
R1614	1-249-496-11	CARBON 100K 5% 1/2W	
R1701	1-259-428-61	CARBON 1K 5% 1/6W	
R1702	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1703	1-249-409-11	CARBON 220 5% 1/4W	F
⚠R1704	1-249-409-11	CARBON 220 5% 1/4W	F
R1705	1-259-410-61	CARBON 180 5% 1/6W	
R1706	1-259-440-61	CARBON 3.3K 5% 1/6W	
R1707	1-259-436-61	CARBON 2.2K 5% 1/6W	
R1709	1-260-116-11	CARBON 27K 5% 1/2W	
⚠R1711	1-249-405-11	CARBON 100 5% 1/4W	F
R1712	1-247-764-11	CARBON 10K 5% 1/2W	
R1713	1-247-759-11	CARBON 3.9K 5% 1/2W	
R1714	1-249-496-11	CARBON 100K 5% 1/2W	
R1751	1-259-428-61	CARBON 1K 5% 1/6W	
R1752	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1753	1-249-409-11	CARBON 220 5% 1/4W	F

Ref. No.	Part No.	Description			Remark
⚠R1754	1-249-409-11	CARBON	220	5%	1/4W F
R1755	1-259-410-61	CARBON	180	5%	1/6W
R1756	1-259-440-61	CARBON	3.3K	5%	1/6W
R1757	1-259-436-61	CARBON	2.2K	5%	1/6W
R1759	1-260-116-11	CARBON	27K	5%	1/2W
⚠R1761	1-249-405-11	CARBON	100	5%	1/4W F
R1762	1-247-764-11	CARBON	10K	5%	1/2W
R1763	1-247-759-11	CARBON	3.9K	5%	1/2W
R1764	1-249-496-11	CARBON	100K	5%	1/2W
R1801	1-259-428-61	CARBON	1K	5%	1/6W
R1802	1-259-476-61	CARBON	100K	5%	1/6W
⚠R1803	1-249-409-11	CARBON	220	5%	1/4W F
⚠R1804	1-249-409-11	CARBON	220	5%	1/4W F
R1805	1-259-410-61	CARBON	180	5%	1/6W
R1806	1-259-440-61	CARBON	3.3K	5%	1/6W
R1807	1-259-436-61	CARBON	2.2K	5%	1/6W
R1809	1-260-116-11	CARBON	27K	5%	1/2W
⚠R1811	1-249-405-11	CARBON	100	5%	1/4W F
R1812	1-247-764-11	CARBON	10K	5%	1/2W
R1813	1-247-759-11	CARBON	3.9K	5%	1/2W
R1814	1-249-496-11	CARBON	100K	5%	1/2W
R1851	1-259-428-61	CARBON	1K	5%	1/6W
R1852	1-259-476-61	CARBON	100K	5%	1/6W
⚠R1853	1-249-409-11	CARBON	220	5%	1/4W F
⚠R1854	1-249-409-11	CARBON	220	5%	1/4W F
R1855	1-259-410-61	CARBON	180	5%	1/6W
R1856	1-259-440-61	CARBON	3.3K	5%	1/6W
R1857	1-259-436-61	CARBON	2.2K	5%	1/6W
R1859	1-260-116-11	CARBON	27K	5%	1/2W
⚠R1861	1-249-405-11	CARBON	100	5%	1/4W F
R1862	1-247-764-11	CARBON	10K	5%	1/2W
R1863	1-247-759-11	CARBON	3.9K	5%	1/2W
R1864	1-249-496-11	CARBON	100K	5%	1/2W
R1901	1-259-460-61	CARBON	22K	5%	1/6W
R1902	1-259-460-61	CARBON	22K	5%	1/6W
⚠R1903	1-249-393-11	CARBON	10	5%	1/4W F
R1904	1-259-460-61	CARBON	22K	5%	1/6W
⚠R1905	1-216-429-00	METAL OXIDE	270	5%	1W F
R1906	1-259-460-61	CARBON	22K	5%	1/6W
R1907	1-259-476-61	CARBON	100K	5%	1/6W
⚠R1908	1-215-864-00	METAL OXIDE	150	5%	1W F
R1909	1-249-435-11	CARBON	33K	5%	1/4W
R1910	1-247-891-00	CARBON	330K	5%	1/4W
R1920	1-249-417-11	CARBON	1K	5%	1/4W
R1921	1-247-862-11	CARBON	20K	5%	1/4W
R1922	1-259-440-61	CARBON	3.3K	5%	1/6W
R1924	1-249-429-11	CARBON	10K	5%	1/4W
R1925	1-247-862-11	CARBON	20K	5%	1/4W
R1927	1-249-429-11	CARBON	10K	5%	1/4W
R1931	1-249-417-11	CARBON	1K	5%	1/4W
R1932	1-249-429-11	CARBON	10K	5%	1/4W

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A-1182-298-A	AC BOARD, COMPLETE (AEP)	
A-1197-514-A	AC BOARD, COMPLETE (UK)	
	**********	
1-533-313-11	FUSE HOLDER	
7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	

Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C51	1-126-964-11	ELECT	10uF	20%	50V
C52	1-112-093-11	ELECT	2200uF	20%	25V
C53	1-112-093-11	ELECT	2200uF	20%	25V
C54	1-128-817-11	CERAMIC	470PF	5%	50V
C55	1-136-287-11	FILM	0.0047uF	5%	100V
C56	1-137-465-11	MYLAR	0.056uF	5%	100V
C57	1-112-422-11	ELECT	470uF	20%	25V
C58	1-127-888-11	CERAMIC	0.1uF	10%	50V
⚠C59	1-113-925-11	CERAMIC	0.01uF	20%	250V
		< CONNECTOR >			
* CNP02	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
CNP51	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP53	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P			
CNP54	1-784-922-11	PIN, CONNECTOR 5P			
		< DIODE >			
D51	6-500-522-11	DIODE 10EDB40-TA2B5			
D52	8-719-210-21	DIODE 11EQS04			
D53	8-719-210-21	DIODE 11EQS04			
D54	8-719-210-21	DIODE 11EQS04			
D55	8-719-210-21	DIODE 11EQS04			
D56	8-719-991-33	DIODE 1SS133T-77			
D57	8-719-991-33	DIODE 1SS133T-77			
D58	8-719-991-33	DIODE 1SS133T-77			
D61	8-719-109-93	DIODE RD6.2ESB2			
		< EARTH TERMINAL >			
EB51	1-537-738-21	TERMINAL, GROUND			
		< IC >			
IC51	6-703-547-01	IC TA7805LS			
		< JACK >			
⚠J02	1-785-285-11	OUTLET, AC (1P) (AC OUTLET) (AEP)			
		< TRANSISTOR >			
Q51	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q52	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q53	8-729-029-86	TRANSISTOR	DTC124ESA		
Q54	8-729-140-97	TRANSISTOR	2SB734-34		
Q55	8-729-029-86	TRANSISTOR	DTC124ESA		
		< RESISTOR >			
R51	1-249-429-11	CARBON	10K	5%	1/4W
R52	1-249-427-11	CARBON	6.8K	5%	1/4W
R53	1-247-863-11	CARBON	22K	5%	1/4W
R54	1-249-421-11	CARBON	2.2K	5%	1/4W
R55	1-249-429-11	CARBON	10K	5%	1/4W
R58	1-247-843-11	CARBON	3.3K	5%	1/4W
R59	1-249-429-11	CARBON	10K	5%	1/4W
⚠R60	1-249-389-11	CARBON	4.7	5%	1/4W F
R61	1-249-415-11	CARBON	680	5%	1/4W

STR-DA1200ES

AC **ANALOG**

Ref. No.	Part No.	Description			Remark
		< RELAY >			
⚠RY01	1-755-266-11	RELAY, AC POWER			
		< TRANSFORMER >			
⚠T02	1-435-163-21	TRANSFORMER, POWER			
**********					
	A-1182-339-A	ANALOG BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C411	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C412	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C413	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C416	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C417	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C418	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C419	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C420	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C421	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C431	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C432	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C433	1-126-961-11	ELECT	2.2uF	20%	50V
C434	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C435	1-126-935-11	ELECT	470uF	20%	16V
C436	1-125-896-91	MYLAR	0.0091uF	5%	50V
C437	1-136-159-00	MYLAR	0.033uF	5%	50V
C438	1-126-961-11	ELECT	2.2uF	20%	50V
C451	1-126-965-11	ELECT	22uF	20%	50V
C452	1-126-961-11	ELECT	2.2uF	20%	50V
C483	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C485	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C486	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C487	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C488	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C497	1-112-089-11	ELECT	47uF	20%	25V
C498	1-112-089-11	ELECT	47uF	20%	25V
C499	1-112-089-11	ELECT	47uF	20%	25V
C511	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C512	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C513	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C516	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C517	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C518	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C519	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C520	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C521	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C531	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C532	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C533	1-126-961-11	ELECT	2.2uF	20%	50V
C534	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C535	1-126-935-11	ELECT	470uF	20%	16V
C536	1-125-896-91	MYLAR	0.0091uF	5%	50V
C537	1-136-159-00	MYLAR	0.033uF	5%	50V
C538	1-126-961-11	ELECT	2.2uF	20%	50V
C551	1-126-965-11	ELECT	22uF	20%	50V
C552	1-126-961-11	ELECT	2.2uF	20%	50V
C583	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C585	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C586	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C587	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C588	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C597	1-112-089-11	ELECT	47uF	20%	25V
C598	1-112-089-11	ELECT	47uF	20%	25V
C599	1-112-089-11	ELECT	47uF	20%	25V
C616	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C617	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C618	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C619	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C622	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C623	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C624	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C625	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C626	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C627	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C631	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C632	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C633	1-126-947-11	ELECT	47uF	20%	35V
C634	1-126-947-11	ELECT	47uF	20%	35V
C645	1-126-947-11	ELECT	47uF	20%	35V
C646	1-126-947-11	ELECT	47uF	20%	35V
C647	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C648	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C662	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C663	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C692	1-112-093-11	ELECT	2200uF	20%	25V
C693	1-112-093-11	ELECT	2200uF	20%	25V
C694	1-126-948-11	ELECT	100uF	20%	35V
		< CONNECTOR >			
CN601	1-794-006-11	CONNECTOR 20P			
CN602	1-784-922-11	PIN, CONNECTOR 5P			
CN603	1-784-923-11	PIN, CONNECTOR 7P			
CN606	1-784-927-11	PIN, CONNECTOR 12P			
CN608	1-779-978-11	PIN, CONNECTOR 3P			
CNP401	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< IC >			
IC301	8-759-710-97	IC NJM4565M-D			
IC401	6-709-810-01	IC TC9274CNG-015			
IC501	6-709-810-01	IC TC9274CNG-015			
IC611	8-759-710-97	IC NJM4565M-D			
IC613	8-759-710-97	IC NJM4565M-D			
IC616	8-759-710-97	IC NJM4565M-D			
IC617	8-759-710-97	IC NJM4565M-D			
IC619	8-759-710-97	IC NJM4565M-D			
IC621	8-759-710-97	IC NJM4565M-D			
IC644	8-759-710-97	IC NJM4565M-D			
		< JACK >			
J604	1-815-045-11	JACK, PIN 2P (PHONO IN)			
J605	1-784-920-11	JACK, PIN 6P (SA-CD/CD/MD/TAPE IN, MD/TAPE OUT)			

Ref. No.	Part No.	Description			Remark
J607	1-784-920-11	JACK, PIN 6P (TV/SAT/DVD AUDIO IN, VIDEO 2 AUDIO OUT)			
J608	1-784-920-11	JACK, PIN 6P (VIDEO 1/VIDEO 2 AUDIO IN, VIDEO 1 AUDIO OUT)			
		< JUMPER RESISTOR >			
JW450	1-216-295-00	SHORT CHIP	0		
JW536	1-216-295-00	SHORT CHIP	0		
JW554	1-216-295-00	SHORT CHIP	0		
JW672	1-216-295-00	SHORT CHIP	0		
JW673	1-216-295-00	SHORT CHIP	0		
		< RESISTOR >			
R411	1-208-437-41	RES-CHIP	1K	2%	1/10W
R412	1-208-437-41	RES-CHIP	1K	2%	1/10W
R413	1-208-437-41	RES-CHIP	1K	2%	1/10W
R416	1-208-437-41	RES-CHIP	1K	2%	1/10W
R417	1-208-437-41	RES-CHIP	1K	2%	1/10W
R418	1-208-437-41	RES-CHIP	1K	2%	1/10W
R419	1-208-437-41	RES-CHIP	1K	2%	1/10W
R420	1-208-437-41	RES-CHIP	1K	2%	1/10W
R421	1-208-437-41	RES-CHIP	1K	2%	1/10W
R422	1-208-518-41	RES-CHIP	22K	2%	1/10W
R423	1-208-518-41	RES-CHIP	22K	2%	1/10W
R425	1-208-518-41	RES-CHIP	22K	2%	1/10W
R426	1-208-518-41	RES-CHIP	22K	2%	1/10W
R427	1-208-518-41	RES-CHIP	22K	2%	1/10W
R428	1-208-518-41	RES-CHIP	22K	2%	1/10W
R431	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R432	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R433	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R434	1-216-633-11	METAL CHIP	180	0.5%	1/10W
R435	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R436	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R437	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R438	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R439	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R451	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R452	1-208-437-41	RES-CHIP	1K	2%	1/10W
R453	1-208-526-41	RES-CHIP	47K	2%	1/10W
R454	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R485	1-216-013-00	RES-CHIP	33	5%	1/10W
R486	1-216-013-00	RES-CHIP	33	5%	1/10W
R487	1-216-025-11	RES-CHIP	100	5%	1/10W
R488	1-216-025-11	RES-CHIP	100	5%	1/10W
R489	1-216-025-11	RES-CHIP	100	5%	1/10W
R511	1-208-437-41	RES-CHIP	1K	2%	1/10W
R512	1-208-437-41	RES-CHIP	1K	2%	1/10W
R513	1-208-437-41	RES-CHIP	1K	2%	1/10W
R516	1-208-437-41	RES-CHIP	1K	2%	1/10W
R517	1-208-437-41	RES-CHIP	1K	2%	1/10W
R518	1-208-437-41	RES-CHIP	1K	2%	1/10W
R519	1-208-437-41	RES-CHIP	1K	2%	1/10W
R520	1-208-437-41	RES-CHIP	1K	2%	1/10W
R521	1-208-437-41	RES-CHIP	1K	2%	1/10W
R522	1-208-518-41	RES-CHIP	22K	2%	1/10W
R523	1-208-518-41	RES-CHIP	22K	2%	1/10W
R525	1-208-518-41	RES-CHIP	22K	2%	1/10W
R526	1-208-518-41	RES-CHIP	22K	2%	1/10W
R527	1-208-518-41	RES-CHIP	22K	2%	1/10W
R528	1-208-518-41	RES-CHIP	22K	2%	1/10W
R531	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R532	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R533	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R534	1-216-633-11	METAL CHIP	180	0.5%	1/10W
R535	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R536	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R537	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R538	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R539	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R551	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R552	1-208-437-41	RES-CHIP	1K	2%	1/10W
R553	1-208-526-41	RES-CHIP	47K	2%	1/10W
R554	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R585	1-216-013-00	RES-CHIP	33	5%	1/10W
R586	1-216-013-00	RES-CHIP	33	5%	1/10W
R587	1-216-025-11	RES-CHIP	100	5%	1/10W
R588	1-216-025-11	RES-CHIP	100	5%	1/10W
R589	1-216-025-11	RES-CHIP	100	5%	1/10W
R634	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R635	1-216-635-11	METAL CHIP	220	0.5%	1/10W
**********					
	A-1182-280-A	BIAS BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1521	1-112-089-11	ELECT	47uF	20%	25V
C1522	1-128-813-11	CERAMIC	220PF	5%	50V
C1523	1-136-153-00	MYLAR	0.01uF	5%	50V
C1524	1-126-964-11	ELECT	10uF	20%	50V
C1571	1-112-089-11	ELECT	47uF	20%	25V
C1572	1-128-813-11	CERAMIC	220PF	5%	50V
C1573	1-136-153-00	MYLAR	0.01uF	5%	50V
C1574	1-126-964-11	ELECT	10uF	20%	50V
C1621	1-112-089-11	ELECT	47uF	20%	25V
C1622	1-128-813-11	CERAMIC	220PF	5%	50V
C1623	1-136-153-00	MYLAR	0.01uF	5%	50V
C1624	1-126-964-11	ELECT	10uF	20%	50V
C1721	1-112-089-11	ELECT	47uF	20%	25V
C1722	1-128-813-11	CERAMIC	220PF	5%	50V
C1723	1-136-153-00	MYLAR	0.01uF	5%	50V
C1724	1-126-964-11	ELECT	10uF	20%	50V
C1771	1-112-089-11	ELECT	47uF	20%	25V
C1772	1-128-813-11	CERAMIC	220PF	5%	50V
C1773	1-136-153-00	MYLAR	0.01uF	5%	50V
C1774	1-126-964-11	ELECT	10uF	20%	50V
C1821	1-112-089-11	ELECT	47uF	20%	25V
C1822	1-128-813-11	CERAMIC	220PF	5%	50V
C1823	1-136-153-00	MYLAR	0.01uF	5%	50V
C1824	1-126-964-11	ELECT	10uF	20%	50V
C1871	1-112-089-11	ELECT	47uF	20%	25V
C1872	1-128-813-11	CERAMIC	220PF	5%	50V
C1873	1-136-153-00	MYLAR	0.01uF	5%	50V
C1874	1-126-964-11	ELECT	10uF	20%	50V
C1905	1-126-965-11	ELECT	22uF	20%	50V
C1906	1-112-402-11	ELECT	470uF	20%	6.3V

BIAS

Ref. No.	Part No.	Description			Remark
C1907	1-128-805-11	CERAMIC	47PF	5%	50V
C1908	1-128-805-11	CERAMIC	47PF	5%	50V
C1909	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1910	1-135-800-11	CERAMIC	1uF		50V
C1913	1-135-800-11	CERAMIC	1uF		50V
		< CONNECTOR >			
CNP1501	1-784-923-11	PIN, CONNECTOR 7P			
CNP1502	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1551	1-784-923-11	PIN, CONNECTOR 7P			
CNP1552	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1601	1-784-923-11	PIN, CONNECTOR 7P			
CNP1602	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1701	1-784-923-11	PIN, CONNECTOR 7P			
CNP1702	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1751	1-784-923-11	PIN, CONNECTOR 7P			
CNP1752	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1801	1-784-923-11	PIN, CONNECTOR 7P			
CNP1802	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1851	1-784-923-11	PIN, CONNECTOR 7P			
CNP1852	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
		< DIODE >			
D1521	8-719-991-33	DIODE	1SS133T-77		
D1522	8-719-991-33	DIODE	1SS133T-77		
D1571	8-719-991-33	DIODE	1SS133T-77		
D1572	8-719-991-33	DIODE	1SS133T-77		
D1621	8-719-991-33	DIODE	1SS133T-77		
D1622	8-719-991-33	DIODE	1SS133T-77		
D1721	8-719-991-33	DIODE	1SS133T-77		
D1722	8-719-991-33	DIODE	1SS133T-77		
D1771	8-719-991-33	DIODE	1SS133T-77		
D1772	8-719-991-33	DIODE	1SS133T-77		
D1821	8-719-991-33	DIODE	1SS133T-77		
D1822	8-719-991-33	DIODE	1SS133T-77		
D1871	8-719-991-33	DIODE	1SS133T-77		
D1872	8-719-991-33	DIODE	1SS133T-77		
D1901	8-719-991-33	DIODE	1SS133T-77		
D1902	8-719-991-33	DIODE	1SS133T-77		
D1903	8-719-991-33	DIODE	1SS133T-77		
D1904	8-719-991-33	DIODE	1SS133T-77		
D1905	8-719-991-33	DIODE	1SS133T-77		
D1906	8-719-109-93	DIODE	RD6.2ESB2		
		< IC >			
IC1901	8-759-167-88	IC	NJM4565D		
IC1903	6-710-072-01	IC	LM61CIZ/LFT2		
IC1905	6-710-072-01	IC	LM61CIZ/LFT2		
		< TRANSISTOR >			
Q1522	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1523	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1524	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1572	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1573	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1574	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1622	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1623	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		

Ref. No.	Part No.	Description		Remark
Q1624	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1722	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1723	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1724	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1772	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1773	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1774	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1822	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1823	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1824	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1872	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1873	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1874	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1904	8-729-281-53	TRANSISTOR	2SC1815-GR	
Q1905	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	
Q1906	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1907	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1908	8-729-029-86	TRANSISTOR	DTC124ESA	
		< RESISTOR >		
R1521	1-259-440-61	CARBON	3.3K 5%	1/6W
R1522	1-259-428-61	CARBON	1K 5%	1/6W
R1524	1-259-468-61	CARBON	47K 5%	1/6W
R1525	1-247-847-91	CARBON	4.7K 5%	1/4W
⚠R1526	1-240-855-91	CARBON	6.2K 5%	1/4W F
R1527	1-249-420-11	CARBON	1.8K 5%	1/4W
R1528	1-249-431-11	CARBON	15K 5%	1/4W
R1529	1-247-862-11	CARBON	20K 5%	1/4W
R1530	1-247-834-11	CARBON	1.3K 5%	1/4W
R1531	1-249-437-11	CARBON	47K 5%	1/4W
R1532	1-249-431-11	CARBON	15K 5%	1/4W
R1533	1-249-437-11	CARBON	47K 5%	1/4W
R1534	1-247-863-11	CARBON	22K 5%	1/4W
R1535	1-249-439-11	CARBON	68K 5%	1/4W
R1536	1-247-895-00	CARBON	470K 5%	1/4W
R1571	1-259-440-61	CARBON	3.3K 5%	1/6W
R1572	1-259-428-61	CARBON	1K 5%	1/6W
R1574	1-259-468-61	CARBON	47K 5%	1/6W
R1575	1-247-847-91	CARBON	4.7K 5%	1/4W
⚠R1576	1-240-855-91	CARBON	6.2K 5%	1/4W F
R1577	1-249-420-11	CARBON	1.8K 5%	1/4W
R1578	1-249-431-11	CARBON	15K 5%	1/4W
R1579	1-247-862-11	CARBON	20K 5%	1/4W
R1580	1-247-834-11	CARBON	1.3K 5%	1/4W
R1581	1-249-437-11	CARBON	47K 5%	1/4W
R1582	1-249-431-11	CARBON	15K 5%	1/4W
R1583	1-249-437-11	CARBON	47K 5%	1/4W
R1584	1-247-863-11	CARBON	22K 5%	1/4W
R1585	1-249-439-11	CARBON	68K 5%	1/4W
R1586	1-247-895-00	CARBON	470K 5%	1/4W
R1621	1-259-440-61	CARBON	3.3K 5%	1/6W
R1622	1-259-428-61	CARBON	1K 5%	1/6W
R1624	1-259-468-61	CARBON	47K 5%	1/6W
R1625	1-247-847-91	CARBON	4.7K 5%	1/4W
⚠R1626	1-240-855-91	CARBON	6.2K 5%	1/4W F
R1627	1-249-420-11	CARBON	1.8K 5%	1/4W

Ref. No.	Part No.	Description			Remark
R1628	1-249-431-11	CARBON	15K	5%	1/4W
R1629	1-247-862-11	CARBON	20K	5%	1/4W
R1630	1-247-834-11	CARBON	1.3K	5%	1/4W
R1631	1-249-437-11	CARBON	47K	5%	1/4W
R1632	1-249-431-11	CARBON	15K	5%	1/4W
R1633	1-249-437-11	CARBON	47K	5%	1/4W
R1634	1-247-863-11	CARBON	22K	5%	1/4W
R1635	1-249-439-11	CARBON	68K	5%	1/4W
R1636	1-247-895-00	CARBON	470K	5%	1/4W
R1721	1-259-440-61	CARBON	3.3K	5%	1/6W
R1722	1-259-428-61	CARBON	1K	5%	1/6W
R1724	1-259-468-61	CARBON	47K	5%	1/6W
R1725	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R1726	1-240-855-91	CARBON	6.2K	5%	1/4W F
R1727	1-249-420-11	CARBON	1.8K	5%	1/4W
R1728	1-249-431-11	CARBON	15K	5%	1/4W
R1729	1-247-862-11	CARBON	20K	5%	1/4W
R1730	1-247-834-11	CARBON	1.3K	5%	1/4W
R1731	1-249-437-11	CARBON	47K	5%	1/4W
R1732	1-249-431-11	CARBON	15K	5%	1/4W
R1733	1-249-437-11	CARBON	47K	5%	1/4W
R1734	1-247-863-11	CARBON	22K	5%	1/4W
R1735	1-249-439-11	CARBON	68K	5%	1/4W
R1736	1-247-895-00	CARBON	470K	5%	1/4W
R1771	1-259-440-61	CARBON	3.3K	5%	1/6W
R1772	1-259-428-61	CARBON	1K	5%	1/6W
R1774	1-259-468-61	CARBON	47K	5%	1/6W
R1775	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R1776	1-240-855-91	CARBON	6.2K	5%	1/4W F
R1777	1-249-420-11	CARBON	1.8K	5%	1/4W
R1778	1-249-431-11	CARBON	15K	5%	1/4W
R1779	1-247-862-11	CARBON	20K	5%	1/4W
R1780	1-247-834-11	CARBON	1.3K	5%	1/4W
R1781	1-249-437-11	CARBON	47K	5%	1/4W
R1782	1-249-431-11	CARBON	15K	5%	1/4W
R1783	1-249-437-11	CARBON	47K	5%	1/4W
R1784	1-247-863-11	CARBON	22K	5%	1/4W
R1785	1-249-439-11	CARBON	68K	5%	1/4W
R1786	1-247-895-00	CARBON	470K	5%	1/4W
R1821	1-259-440-61	CARBON	3.3K	5%	1/6W
R1822	1-259-428-61	CARBON	1K	5%	1/6W
R1824	1-259-468-61	CARBON	47K	5%	1/6W
R1825	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R1826	1-240-855-91	CARBON	6.2K	5%	1/4W F
R1827	1-249-420-11	CARBON	1.8K	5%	1/4W
R1828	1-249-431-11	CARBON	15K	5%	1/4W
R1829	1-247-862-11	CARBON	20K	5%	1/4W
R1830	1-247-834-11	CARBON	1.3K	5%	1/4W
R1831	1-249-437-11	CARBON	47K	5%	1/4W
R1832	1-249-431-11	CARBON	15K	5%	1/4W
R1833	1-249-437-11	CARBON	47K	5%	1/4W
R1834	1-247-863-11	CARBON	22K	5%	1/4W
R1835	1-249-439-11	CARBON	68K	5%	1/4W
R1836	1-247-895-00	CARBON	470K	5%	1/4W
R1871	1-259-440-61	CARBON	3.3K	5%	1/6W
R1872	1-259-428-61	CARBON	1K	5%	1/6W
R1874	1-259-468-61	CARBON	47K	5%	1/6W
R1875	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R1876	1-240-855-91	CARBON	6.2K	5%	1/4W F
R1877	1-249-420-11	CARBON	1.8K	5%	1/4W
R1878	1-249-431-11	CARBON	15K	5%	1/4W
R1879	1-247-862-11	CARBON	20K	5%	1/4W
R1880	1-247-834-11	CARBON	1.3K	5%	1/4W
R1881	1-249-437-11	CARBON	47K	5%	1/4W
R1882	1-249-431-11	CARBON	15K	5%	1/4W
R1883	1-249-437-11	CARBON	47K	5%	1/4W
R1884	1-247-863-11	CARBON	22K	5%	1/4W
R1885	1-249-439-11	CARBON	68K	5%	1/4W
R1886	1-247-895-00	CARBON	470K	5%	1/4W
R1909	1-249-429-11	CARBON	10K	5%	1/4W
R1910	1-249-417-11	CARBON	1K	5%	1/4W
R1911	1-247-863-11	CARBON	22K	5%	1/4W
R1912	1-249-429-11	CARBON	10K	5%	1/4W
R1913	1-249-429-11	CARBON	10K	5%	1/4W
R1914	1-247-863-11	CARBON	22K	5%	1/4W
R1915	1-247-863-11	CARBON	22K	5%	1/4W
R1916	1-249-430-11	CARBON	12K	5%	1/4W
R1917	1-247-895-00	CARBON	470K	5%	1/4W
R1918	1-249-437-11	CARBON	47K	5%	1/4W
R1919	1-249-429-11	CARBON	10K	5%	1/4W
R1928	1-249-427-11	CARBON	6.8K	5%	1/4W
		< VARIABLE RESISTOR >			
RV1501	1-238-595-11	RES, ADJ, CARBON		220	
RV1551	1-238-595-11	RES, ADJ, CARBON		220	
RV1601	1-238-595-11	RES, ADJ, CARBON		220	
RV1701	1-238-595-11	RES, ADJ, CARBON		220	
RV1751	1-238-595-11	RES, ADJ, CARBON		220	
RV1801	1-238-595-11	RES, ADJ, CARBON		220	
RV1851	1-238-595-11	RES, ADJ, CARBON		220	
**********					
		CONNECTOR L BOARD			
		**********			
		< CONNECTOR >			
CNP1206	1-784-038-21	CONNECTOR, BOARD TO BOARD 9P			
CNP1207	1-784-038-21	CONNECTOR, BOARD TO BOARD 9P			
**********					
		CONNECTOR R BOARD			
		**********			
		< CONNECTOR >			
CNP1201	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P			
CNP1202	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P			
**********					
	A-1182-296-A	DC-DC BOARD, COMPLETE			
		**********			
	1-533-313-11	FUSE HOLDER			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C1406	1-128-950-21	ELECT	1000uF	20%	16V
C1407	1-127-888-11	CERAMIC	0.1uF	10%	50V

DC-DC **DIGITAL**

Ref. No.	Part No.	Description			Remark
C1412	1-128-950-21	ELECT	1000uF	20%	16V
C1413	1-115-871-11	ELECT	1uF	20%	50V
C1427	1-128-549-11	ELECT	3300uF	20%	35V
C1429	1-128-959-21	ELECT	1000uF	20%	35V
C1430	1-128-959-21	ELECT	1000uF	20%	35V
		< CONNECTOR >			
CN1410	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
CNP1451	1-778-293-11	PLUG (MICRO CONNECTOR) 2P			
		< DIODE >			
D1402	8-719-301-45	DIODE RK14			
D1404	8-719-301-45	DIODE RK14			
D1409	8-719-510-53	DIODE D4SB60L			
		< IC >			
IC1403	8-759-474-09	IC SI-8050S-LF1101			
IC1404	6-701-021-01	IC SI-8120JF			
		< COIL >			
L1401	1-456-545-11	INDUCTOR	100uH		
L1402	1-456-545-11	INDUCTOR	100uH		
L1403	1-456-545-11	INDUCTOR	100uH		
L1404	1-456-545-11	INDUCTOR	100uH		
		< TRANSISTOR >			
Q1409	8-729-029-86	TRANSISTOR	DTC124ESA		
		< RESISTOR >			
R1402	1-249-409-11	CARBON	220	5%	1/4W
R1410	1-249-416-11	CARBON	820	5%	1/4W
R1414	1-249-415-11	CARBON	680	5%	1/4W
R1415	1-247-863-11	CARBON	22K	5%	1/4W

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	A-1182-343-A	DIGITAL BOARD, COMPLETE			
		**********			
	3-087-053-01	+BVTP2.6 (3CR)			
		< CAPACITOR/JUMPER RESISTOR >			
C2001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2009	1-112-103-11	ELECT	47uF	20%	63V
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2011	1-216-864-11	SHORT CHIP	0		
C2015	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2017	1-126-935-11	ELECT	470uF	20%	16V
C2019	1-112-103-11	ELECT	47uF	20%	63V
C2022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2024	1-126-965-11	ELECT	22uF	20%	50V
C2025	1-112-084-11	ELECT	470uF	20%	16V
C2026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C2027	1-126-965-11	ELECT	22uF	20%	50V
C2028	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2034	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2035	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C2036	1-126-965-11	ELECT	22uF	20%	50V
C2037	1-126-965-11	ELECT	22uF	20%	50V
C2038	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C2039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2043	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2044	1-126-964-11	ELECT	10uF	20%	50V
C2045	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2046	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2047	1-112-084-11	ELECT	470uF	20%	16V
C2048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2050	1-112-083-11	ELECT	100uF	20%	16V
C2052	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2057	1-112-079-11	ELECT	220uF	20%	10V
C2059	1-112-097-11	ELECT	2.2uF	20%	50V
C2060	1-112-084-11	ELECT	470uF	20%	16V
C2067	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2078	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C2079	1-126-947-11	ELECT	47uF	20%	35V
C2080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2083	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2084	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2085	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2088	1-112-100-11	ELECT	10uF	20%	50V
C2089	1-112-100-11	ELECT	10uF	20%	50V
C2090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2092	1-112-100-11	ELECT	10uF	20%	50V
C2093	1-126-964-11	ELECT	10uF	20%	50V
C2094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2095	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2096	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2097	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2098	1-126-964-11	ELECT	10uF	20%	50V
C2099	1-126-963-11	ELECT	4.7uF	20%	50V
C2100	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2145	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2146	1-137-429-11	MYLAR	270PF	5%	50V
C2147	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2148	1-112-100-11	ELECT	10uF	20%	50V
C2149	1-112-100-11	ELECT	10uF	20%	50V
C2150	1-126-964-11	ELECT	10uF	20%	50V
C2151	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2152	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2153	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2155	1-112-100-11	ELECT	10uF	20%	50V
C2156	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2157	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C2158	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2159	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2160	1-137-429-11	MYLAR	270PF	5%	50V
C2161	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2162	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2163	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2164	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2165	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2166	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2167	1-137-429-11	MYLAR	270PF	5%	50V
C2168	1-126-933-11	ELECT	100uF	20%	16V
C2169	1-112-083-11	ELECT	100uF	20%	16V
C2170	1-112-100-11	ELECT	10uF	20%	50V
C2171	1-112-083-11	ELECT	100uF	20%	16V
C2172	1-112-100-11	ELECT	10uF	20%	50V
C2173	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2174	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2175	1-137-429-11	MYLAR	270PF	5%	50V
C2181	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2182	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2183	1-137-429-11	MYLAR	270PF	5%	50V
C2200	1-112-100-11	ELECT	10uF	20%	50V
C2202	1-112-100-11	ELECT	10uF	20%	50V
C2203	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2204	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2205	1-137-429-11	MYLAR	270PF	5%	50V
C2206	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2207	1-137-429-11	MYLAR	270PF	5%	50V
C2208	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2209	1-112-100-11	ELECT	10uF	20%	50V
C2210	1-112-100-11	ELECT	10uF	20%	50V
C2211	1-112-114-11	ELECT	22uF	20%	50V
C2212	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2213	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2214	1-137-429-11	MYLAR	270PF	5%	50V
C2215	1-112-114-11	ELECT	22uF	20%	50V
C2216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2218	1-126-964-11	ELECT	10uF	20%	50V
C2219	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2220	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2222	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C2223	1-126-947-11	ELECT	47uF	20%	35V
C2225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2232	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2235	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2238	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2239	1-112-080-11	ELECT	470uF	20%	10V
C2240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2241	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2244	1-112-084-11	ELECT	470uF	20%	16V
C2245	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2248	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2249	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2250	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2251	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2252	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2254	1-126-935-11	ELECT	470uF	20%	16V
C2255	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2257	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2258	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2259	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2260	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2265	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2267	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2268	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2269	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2275	1-126-933-11	ELECT	100uF	20%	16V
C2276	1-126-964-11	ELECT	10uF	20%	50V
C2277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2278	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2279	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2280	1-126-960-11	ELECT	1uF	20%	50V
C2283	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2284	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2285	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2286	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2291	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2294	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

< CONNECTOR >

CN2002	1-784-776-11	CONNECTOR, FFC 15P
CN2004	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P
CN2006	1-784-923-11	PIN, CONNECTOR 7P
CN2008	1-784-930-11	PIN, CONNECTOR 15P
CN2009	1-820-353-11	PIN, CONNECTOR (PC BOARD) 9P
CN2011	1-794-004-11	CONNECTOR 17P
CN2012	1-691-768-11	PLUG (MICRO CONNECTOR) 6P
CN2014	1-794-006-11	CONNECTOR 20P
CN2015	1-784-922-11	PIN, CONNECTOR 5P
CN2016	1-794-005-11	CONNECTOR 19P
CN2017	1-779-977-11	PIN, CONNECTOR 6P
CN2018	1-784-922-11	PIN, CONNECTOR 5P
CN2021	1-691-770-11	PLUG (MICRO CONNECTOR) 8P

DIGITAL

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D2001	8-719-053-18	DIODE 1SR154-400TE-25	
D2002	8-719-988-61	DIODE 1SS355TE-17	
D2003	8-719-988-61	DIODE 1SS355TE-17	
D2008	8-719-066-98	DIODE RB051L-40TE25	
		< FERRITE BEAD/JUMPER RESISTOR >	
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2003	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2006	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2008	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2009	1-216-295-00	SHORT CHIP 0	
FB2010	1-216-295-00	SHORT CHIP 0	
FB2017	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2019	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2020	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2022	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2023	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2024	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2028	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2029	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2032	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2033	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2034	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2036	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2037	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2039	1-216-295-00	SHORT CHIP 0	
FB2040	1-216-295-00	SHORT CHIP 0	
FB2041	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC2002	6-600-466-01	IC TORX147L (SONY) (DIGITAL OPTICAL VIDEO 1 IN)	
IC2003	6-600-466-01	IC TORX147L (SONY) (DIGITAL OPTICAL TV/SAT IN)	
IC2004	6-600-461-11	IC TOTX147L (R) (DIGITAL OPTICAL MD/TAPE OUT)	
IC2005	6-600-466-01	IC TORX147L (SONY) (DIGITAL OPTICAL MD/TAPE IN)	
IC2006	6-708-025-01	IC LC89057W-VF4A-E	
IC2007	8-759-233-64	IC TC74HCU04AF	
IC2008	8-759-058-62	IC TC7S08FU (TE85R)	
IC2009	8-759-236-19	IC TC74HC151AF (EL)	
IC2010	8-759-710-97	IC NJM4565M-D	
IC2012	8-759-268-29	IC SN74HC595ANS	
IC2016	6-706-478-01	IC TC7SET08FU (T5RSOJF)	
IC2017	8-759-524-48	IC TC74VHC393FT (EL)	
IC2018	8-759-524-10	IC TC74VHC157FT (EL)	
IC2019	8-759-524-10	IC TC74VHC157FT (EL)	
IC2022	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2024	6-701-834-01	IC PCM1802DBR	
IC2034	6-708-785-01	IC PCM1609APT	
IC2035	8-759-523-81	IC TC74VHC08FT (EL)	
IC2036	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2037	8-759-710-97	IC NJM4565M-D	
IC2040	8-759-710-97	IC NJM4565M-D	
IC2042	8-759-710-97	IC NJM4565M-D	
IC2043	8-759-710-97	IC NJM4565M-D	
IC2044	8-759-268-29	IC SN74HC595ANS	
IC2046	8-759-238-47	IC TC74HCT7007AF (EL)	
IC2050	6-705-468-01	IC BA33BC0FP-E2	
IC2051	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC2052	8-759-394-36	IC BA09T	
IC2053	6-705-468-01	IC BA33BC0FP-E2	
IC2054	6-806-561-01	IC MB91F355APMT-A1ES-X103	
IC2055	6-704-005-01	IC BR24L32F-WE2	
IC2056	8-759-277-63	IC TC7W14FU (TE12R)	
IC2057	8-759-058-62	IC TC7S08FU (TE85R)	
		< JACK >	
J2001	1-818-314-11	PIN JACK 2P (DIGITAL COAXIAL DVD/SA-CD/CD IN)	
		< COIL >	
L2001	1-410-737-31	INDUCTOR 0.47uH	
L2002	1-410-737-31	INDUCTOR 0.47uH	
		< TRANSISTOR >	
Q2002	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2004	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2005	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q2006	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q2007	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
		< RESISTOR >	
R2002	1-208-755-11	METAL CHIP 75 0.5% 1/10W	
R2003	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2004	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2005	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2006	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2007	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2008	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2010	1-208-774-11	METAL CHIP 470 0.5% 1/10W	
R2012	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2013	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2014	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2016	1-208-550-41	RES-CHIP 470K 2% 1/10W	
R2017	1-208-550-41	RES-CHIP 470K 2% 1/10W	
R2018	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2020	1-208-526-41	RES-CHIP 47K 2% 1/10W	
R2021	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2022	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2023	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2024	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2025	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2026	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2027	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2028	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2029	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2030	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2031	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R2032	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R2033	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R2034	1-216-809-11	METAL CHIP 100 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R2035	1-216-809-11	METAL CHIP	100	5%	1/10W
R2036	1-216-813-11	METAL CHIP	220	5%	1/10W
R2037	1-216-809-11	METAL CHIP	100	5%	1/10W
R2038	1-216-809-11	METAL CHIP	100	5%	1/10W
R2039	1-216-809-11	METAL CHIP	100	5%	1/10W
R2043	1-216-809-11	METAL CHIP	100	5%	1/10W
R2044	1-216-809-11	METAL CHIP	100	5%	1/10W
R2045	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2046	1-216-809-11	METAL CHIP	100	5%	1/10W
R2047	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2048	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2050	1-216-809-11	METAL CHIP	100	5%	1/10W
R2051	1-216-809-11	METAL CHIP	100	5%	1/10W
R2053	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2054	1-216-809-11	METAL CHIP	100	5%	1/10W
R2055	1-216-813-11	METAL CHIP	220	5%	1/10W
R2057	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R2058	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R2059	1-216-809-11	METAL CHIP	100	5%	1/10W
R2061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2062	1-216-809-11	METAL CHIP	100	5%	1/10W
R2064	1-216-817-11	METAL CHIP	470	5%	1/10W
R2065	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2068	1-216-813-11	METAL CHIP	220	5%	1/10W
R2069	1-216-813-11	METAL CHIP	220	5%	1/10W
R2074	1-216-809-11	METAL CHIP	100	5%	1/10W
R2075	1-216-805-11	METAL CHIP	47	5%	1/10W
R2077	1-216-805-11	METAL CHIP	47	5%	1/10W
R2078	1-216-805-11	METAL CHIP	47	5%	1/10W
R2079	1-216-809-11	METAL CHIP	100	5%	1/10W
R2080	1-216-805-11	METAL CHIP	47	5%	1/10W
R2081	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2082	1-216-809-11	METAL CHIP	100	5%	1/10W
R2084	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2085	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2086	1-216-809-11	METAL CHIP	100	5%	1/10W
R2087	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2090	1-216-811-11	METAL CHIP	150	5%	1/10W
R2094	1-216-809-11	METAL CHIP	100	5%	1/10W
R2096	1-216-809-11	METAL CHIP	100	5%	1/10W
R2097	1-216-864-11	SHORT CHIP	0		
R2098	1-216-864-11	SHORT CHIP	0		
R2100	1-216-809-11	METAL CHIP	100	5%	1/10W
R2102	1-216-809-11	METAL CHIP	100	5%	1/10W
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W
R2104	1-216-809-11	METAL CHIP	100	5%	1/10W
R2105	1-216-809-11	METAL CHIP	100	5%	1/10W
R2106	1-216-809-11	METAL CHIP	100	5%	1/10W
R2107	1-216-809-11	METAL CHIP	100	5%	1/10W
R2108	1-216-805-11	METAL CHIP	47	5%	1/10W
R2109	1-216-809-11	METAL CHIP	100	5%	1/10W
R2111	1-216-809-11	METAL CHIP	100	5%	1/10W
R2112	1-216-809-11	METAL CHIP	100	5%	1/10W
R2116	1-216-809-11	METAL CHIP	100	5%	1/10W
R2120	1-216-809-11	METAL CHIP	100	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2122	1-216-811-11	METAL CHIP	150	5%	1/10W
R2123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2124	1-216-809-11	METAL CHIP	100	5%	1/10W
R2125	1-216-809-11	METAL CHIP	100	5%	1/10W
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W
R2186	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2187	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2188	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2190	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2192	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2194	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2195	1-216-809-11	METAL CHIP	100	5%	1/10W
R2196	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2198	1-216-805-11	METAL CHIP	47	5%	1/10W
R2199	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2200	1-216-809-11	METAL CHIP	100	5%	1/10W
R2201	1-216-809-11	METAL CHIP	100	5%	1/10W
R2202	1-216-809-11	METAL CHIP	100	5%	1/10W
R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
R2204	1-216-809-11	METAL CHIP	100	5%	1/10W
R2205	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2206	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2209	1-216-809-11	METAL CHIP	100	5%	1/10W
R2211	1-216-809-11	METAL CHIP	100	5%	1/10W
R2212	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2213	1-216-809-11	METAL CHIP	100	5%	1/10W
R2214	1-216-809-11	METAL CHIP	100	5%	1/10W
R2215	1-216-809-11	METAL CHIP	100	5%	1/10W
R2216	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2217	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2220	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2223	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2224	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2225	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2226	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2227	1-216-809-11	METAL CHIP	100	5%	1/10W
R2231	1-216-809-11	METAL CHIP	100	5%	1/10W
R2233	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2241	1-216-864-11	SHORT CHIP	0		
R2242	1-216-864-11	SHORT CHIP	0		
R2243	1-216-864-11	SHORT CHIP	0		
R2244	1-216-864-11	SHORT CHIP	0		
R2249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2250	1-216-864-11	SHORT CHIP	0		
R2251	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2253	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2256	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2258	1-216-809-11	METAL CHIP	100	5%	1/10W
R2259	1-216-809-11	METAL CHIP	100	5%	1/10W
R2260	1-216-809-11	METAL CHIP	100	5%	1/10W
R2261	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2262	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2263	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2264	1-216-809-11	METAL CHIP	100	5%	1/10W
R2265	1-216-809-11	METAL CHIP	100	5%	1/10W

DIGITAL

Ref. No.	Part No.	Description			Remark
R2266	1-216-809-11	METAL CHIP	100	5%	1/10W
R2267	1-216-809-11	METAL CHIP	100	5%	1/10W
R2268	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2270	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2271	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2272	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2273	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2274	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2275	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2276	1-216-809-11	METAL CHIP	100	5%	1/10W
R2279	1-216-809-11	METAL CHIP	100	5%	1/10W
R2280	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2281	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2282	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2283	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2287	1-216-809-11	METAL CHIP	100	5%	1/10W
R2288	1-216-809-11	METAL CHIP	100	5%	1/10W
R2289	1-216-809-11	METAL CHIP	100	5%	1/10W
R2290	1-216-809-11	METAL CHIP	100	5%	1/10W
R2292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2294	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2295	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2296	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2297	1-216-809-11	METAL CHIP	100	5%	1/10W
R2298	1-216-809-11	METAL CHIP	100	5%	1/10W
R2299	1-216-809-11	METAL CHIP	100	5%	1/10W
R2300	1-216-809-11	METAL CHIP	100	5%	1/10W
R2301	1-216-809-11	METAL CHIP	100	5%	1/10W
R2302	1-216-809-11	METAL CHIP	100	5%	1/10W
R2303	1-216-809-11	METAL CHIP	100	5%	1/10W
R2304	1-216-809-11	METAL CHIP	100	5%	1/10W
R2305	1-216-809-11	METAL CHIP	100	5%	1/10W
R2306	1-216-809-11	METAL CHIP	100	5%	1/10W
R2307	1-216-809-11	METAL CHIP	100	5%	1/10W
R2308	1-216-809-11	METAL CHIP	100	5%	1/10W
R2309	1-216-809-11	METAL CHIP	100	5%	1/10W
R2310	1-216-809-11	METAL CHIP	100	5%	1/10W
R2311	1-216-809-11	METAL CHIP	100	5%	1/10W
R2312	1-216-809-11	METAL CHIP	100	5%	1/10W
R2313	1-216-809-11	METAL CHIP	100	5%	1/10W
R2314	1-216-809-11	METAL CHIP	100	5%	1/10W
R2315	1-216-809-11	METAL CHIP	100	5%	1/10W
R2316	1-216-809-11	METAL CHIP	100	5%	1/10W
R2318	1-216-864-11	SHORT CHIP	0		
R2319	1-216-809-11	METAL CHIP	100	5%	1/10W
R2320	1-216-809-11	METAL CHIP	100	5%	1/10W
R2321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2325	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2327	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2329	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2330	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2332	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2334	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2335	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2336	1-216-809-11	METAL CHIP	100	5%	1/10W
R2337	1-216-809-11	METAL CHIP	100	5%	1/10W
R2338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2339	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2344	1-216-809-11	METAL CHIP	100	5%	1/10W
R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2350	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2351	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2352	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2354	1-216-809-11	METAL CHIP	100	5%	1/10W
R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2356	1-216-809-11	METAL CHIP	100	5%	1/10W
R2357	1-216-809-11	METAL CHIP	100	5%	1/10W
R2358	1-216-809-11	METAL CHIP	100	5%	1/10W
R2359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2360	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2362	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2364	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2365	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2366	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2371	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2372	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2373	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2374	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2375	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2376	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2379	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2384	1-216-809-11	METAL CHIP	100	5%	1/10W
R2385	1-216-809-11	METAL CHIP	100	5%	1/10W
R2386	1-216-809-11	METAL CHIP	100	5%	1/10W
R2387	1-216-809-11	METAL CHIP	100	5%	1/10W
R2388	1-216-809-11	METAL CHIP	100	5%	1/10W
R2389	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2390	1-216-815-11	METAL CHIP	330	5%	1/10W
R2391	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2395	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2397	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2398	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2399	1-216-809-11	METAL CHIP	100	5%	1/10W
R2403	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2404	1-216-809-11	METAL CHIP	100	5%	1/10W
R2405	1-216-809-11	METAL CHIP	100	5%	1/10W
R2406	1-216-809-11	METAL CHIP	100	5%	1/10W
R2407	1-216-809-11	METAL CHIP	100	5%	1/10W
R2408	1-216-809-11	METAL CHIP	100	5%	1/10W
R2409	1-216-809-11	METAL CHIP	100	5%	1/10W
R2410	1-216-809-11	METAL CHIP	100	5%	1/10W
R2412	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2413	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2414	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2415	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2416	1-216-809-11	METAL CHIP	100	5%	1/10W
R2418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2421	1-216-809-11	METAL CHIP	100	5%	1/10W
R2422	1-216-809-11	METAL CHIP	100	5%	1/10W
R2423	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2424	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2426	1-216-864-11	SHORT CHIP	0		
R2428	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2429	1-216-809-11	METAL CHIP	100	5%	1/10W
R2430	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2431	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2432	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< VIBRATOR >			
X2001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X2004	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
**********					
	A-1182-358-A	DISPLAY BOARD, COMPLETE			
		**********			
	2-389-320-01	CUSHION			
		< CAPACITOR >			
C701	1-104-957-11	ELECT	47uF	20%	25V
C704	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C706	1-104-957-11	ELECT	47uF	20%	25V
C707	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C708	1-126-795-11	ELECT	10uF	20%	50V
C712	1-165-733-31	ELECT	100uF	20%	25V
C713	1-107-378-11	MYLAR	0.0039uF	5%	200V
C714	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C715	1-165-746-31	ELECT	22uF	20%	50V
C716	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C718	1-104-957-11	ELECT	47uF	20%	25V
C719	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C721	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C722	1-126-795-11	ELECT	10uF	20%	50V
C724	1-104-957-11	ELECT	47uF	20%	25V
C725	1-104-957-11	ELECT	47uF	20%	25V
C726	1-104-957-11	ELECT	47uF	20%	25V
C727	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C728	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C729	1-126-795-11	ELECT	10uF	20%	50V
C730	1-126-795-11	ELECT	10uF	20%	50V
C731	1-126-795-11	ELECT	10uF	20%	50V
C732	1-126-795-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C733	1-107-925-11	ELECT	1uF	20%	100V
C734	1-104-957-11	ELECT	47uF	20%	25V
C735	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C739	1-126-795-11	ELECT	10uF	20%	50V
C740	1-126-795-11	ELECT	10uF	20%	50V
C743	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C744	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C745	1-126-795-11	ELECT	10uF	20%	50V
C746	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C747	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C749	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C751	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CN701	1-794-005-11	CONNECTOR 19P			
CN702	1-794-006-11	CONNECTOR 20P			
* CN706	1-564-724-11	PIN, CONNECTOR (SMALL TYPE) 8P			
		< DIODE >			
D701	8-719-056-11	LED SML72423C-TP15 (ON/STANDBY)			
D702	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)			
D703	6-501-539-01	LED SELK5E20C-DTP15 (MULTI CHANNEL DECODING)			
D704	8-719-041-97	DIODE MA113- (TX)			
D705	8-719-041-97	DIODE MA113- (TX)			
D706	8-719-041-97	DIODE MA113- (TX)			
D707	8-719-041-97	DIODE MA113- (TX)			
D708	8-719-978-33	DIODE DTZ-TT11-6.8B			
D710	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB701	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB702	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC701	6-600-349-31	IC NJL24H400A			
IC702	6-705-468-01	IC BA33BC0FP-E2			
IC703	8-759-825-56	IC NJM2173AV (TE2)			
		< JUMPER RESISTOR >			
JW753	1-216-296-11	SHORT CHIP	0		
		< COIL >			
L701	1-421-967-11	INDUCTOR	100uH		
		< FLUORESCENT INDICATOR TUBE >			
ND701	1-519-863-11	INDICATOR TUBE, FLUORESCENT			
		< TRANSISTOR >			
Q701	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q702	8-729-901-00	TRANSISTOR	DTC124EK		
Q703	8-729-901-00	TRANSISTOR	DTC124EK		
Q704	8-729-901-00	TRANSISTOR	DTC124EK		
Q705	8-729-808-42	TRANSISTOR	2SD1624-T		
Q706	8-729-808-42	TRANSISTOR	2SD1624-T		
Q708	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q709	8-729-027-43	TRANSISTOR	DTC114EKA-T146		

DISPLAY **DSP**

Ref. No.	Part No.	Description			Remark
Q710	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q711	8-729-216-22	TRANSISTOR	2SA1162-G		
		< RESISTOR >			
R701	1-216-037-00	RES-CHIP	330	5%	1/10W
R703	1-216-295-00	SHORT CHIP	0		
R704	1-216-295-00	SHORT CHIP	0		
R706	1-216-001-00	RES-CHIP	10	5%	1/10W
⚠R707	1-249-385-11	CARBON	2.2	5%	1/4W F
⚠R708	1-249-385-11	CARBON	2.2	5%	1/4W F
R709	1-216-025-11	RES-CHIP	100	5%	1/10W
R710	1-216-025-11	RES-CHIP	100	5%	1/10W
R711	1-216-025-11	RES-CHIP	100	5%	1/10W
R712	1-216-025-11	RES-CHIP	100	5%	1/10W
R713	1-216-025-11	RES-CHIP	100	5%	1/10W
R714	1-216-025-11	RES-CHIP	100	5%	1/10W
R715	1-216-025-11	RES-CHIP	100	5%	1/10W
R716	1-216-025-11	RES-CHIP	100	5%	1/10W
R717	1-216-025-11	RES-CHIP	100	5%	1/10W
R718	1-216-025-11	RES-CHIP	100	5%	1/10W
R719	1-216-037-00	RES-CHIP	330	5%	1/10W
R720	1-216-037-00	RES-CHIP	330	5%	1/10W
R721	1-216-022-00	RES-CHIP	75	5%	1/10W
R723	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R724	1-216-049-11	RES-CHIP	1K	5%	1/10W
R725	1-216-081-00	RES-CHIP	22K	5%	1/10W
R726	1-216-073-00	RES-CHIP	10K	5%	1/10W
R727	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R728	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R729	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R730	1-216-049-11	RES-CHIP	1K	5%	1/10W
R731	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R733	1-216-049-11	RES-CHIP	1K	5%	1/10W
R734	1-216-083-00	RES-CHIP	27K	5%	1/10W
R735	1-216-049-11	RES-CHIP	1K	5%	1/10W
R736	1-216-049-11	RES-CHIP	1K	5%	1/10W
R737	1-216-833-11	METAL CHIP	10K	5%	1/10W
R740	1-216-833-11	METAL CHIP	10K	5%	1/10W
R741	1-216-833-11	METAL CHIP	10K	5%	1/10W
R748	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R749	1-216-821-11	METAL CHIP	1K	5%	1/10W
R750	1-216-849-11	METAL CHIP	220K	5%	1/10W
R751	1-216-843-11	METAL CHIP	68K	5%	1/10W
R753	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R754	1-216-821-11	METAL CHIP	1K	5%	1/10W
R757	1-216-025-11	RES-CHIP	100	5%	1/10W
R758	1-216-041-00	RES-CHIP	470	5%	1/10W
R759	1-216-073-00	RES-CHIP	10K	5%	1/10W
R772	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
		< SWITCH/ROTARY ENCODER >			
S701	1-771-349-21	SWITCH, KEYBOARD (MUSIC)			
S702	1-771-349-21	SWITCH, KEYBOARD (MOVIE)			
S703	1-771-349-21	SWITCH, KEYBOARD (A.F.D.)			
S704	1-771-349-21	SWITCH, KEYBOARD (2CH)			
S705	1-771-349-21	SWITCH, KEYBOARD (SUR BACK DECODING)			
S706	1-771-349-21	SWITCH, KEYBOARD (SLEEP)			
S707	1-771-349-21	SWITCH, KEYBOARD (DIMMER)			
S708	1-771-349-21	SWITCH, KEYBOARD (MEMORY/ENTER)			
S709	1-771-349-21	SWITCH, KEYBOARD (TUNING MODE)			
S710	1-771-349-21	SWITCH, KEYBOARD (TONE MODE)			
S711	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)			
S712	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)			
S713	1-418-400-11	ENCODER, ROTARY (TONE)			
S714	1-418-400-11	ENCODER, ROTARY (TUNING)			
S715	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)			
		< TRANSFORMER >			
T701	1-445-015-11	TRANSFORMER, DC-DC CONVERTER			
**********					
	A-1182-351-A	DSP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1	1-100-635-21	ELECT CHIP	82uF	20%	4V
C3	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C7	1-165-628-21	ELECT CHIP	100uF	20%	2V
C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C9	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C10	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C19	1-117-370-11	CERAMIC CHIP	10uF		10V
C23	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C28	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C29	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C30	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C32	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C33	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C34	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C35	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C36	1-117-370-11	CERAMIC CHIP	10uF		10V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C42	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C43	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C49	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C59	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C61	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C64	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C67	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

DSP

Ref. No.	Part No.	Description			Remark
C70	1-117-370-11	CERAMIC CHIP	10uF		10V
C71	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C73	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C74	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C75	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C76	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C77	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C78	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C79	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C80	1-100-635-21	ELECT CHIP	82uF	20%	4V
C81	1-165-628-21	ELECT CHIP	100uF	20%	2V
C85	1-117-370-11	CERAMIC CHIP	10uF		10V
C88	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C89	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C90	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C91	1-117-370-11	CERAMIC CHIP	10uF		10V
C92	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C93	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C94	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C95	1-117-370-11	CERAMIC CHIP	10uF		10V
C96	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C97	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN1	1-815-136-21	CONNECTOR, BOARD TO BOARD			
CN2	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P			
		< FERRITE BEAD >			
FB1	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB2	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB3	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB4	1-469-324-21	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC1	6-705-308-01	IC SI-3010KM-TL			
IC2	6-706-764-01	IC ADSP21266SKSTZ-2C			
IC3	6-706-765-01	IC SST25VF040-20-4C-QAE-T			
IC4	8-759-680-48	IC TC7WH157FK (TE85R)			
IC5	8-759-831-52	IC TC7WH125FK (TE85R)			
IC6	6-701-373-01	IC MC74LCX16373DTR2			
IC7	6-704-832-01	IC IS61LV6416-10TLT			
		< RESISTOR >			
R1	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R2	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R5	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9	1-216-833-11	METAL CHIP	10K	5%	1/10W
R12	1-216-833-11	METAL CHIP	10K	5%	1/10W
R13	1-216-864-11	SHORT CHIP	0		
R14	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R15	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R16	1-216-864-11	SHORT CHIP	0		
R17	1-216-864-11	SHORT CHIP	0		
R18	1-216-864-11	SHORT CHIP	0		
R20	1-216-864-11	SHORT CHIP	0		
R21	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R23	1-216-817-11	METAL CHIP	470	5%	1/10W
R24	1-216-821-11	METAL CHIP	1K	5%	1/10W
R25	1-216-864-11	SHORT CHIP	0		
R26	1-216-801-11	METAL CHIP	22	5%	1/10W
R27	1-216-801-11	METAL CHIP	22	5%	1/10W
R28	1-216-801-11	METAL CHIP	22	5%	1/10W
R29	1-216-801-11	METAL CHIP	22	5%	1/10W
R30	1-216-801-11	METAL CHIP	22	5%	1/10W
R31	1-216-833-11	METAL CHIP	10K	5%	1/10W
R32	1-216-833-11	METAL CHIP	10K	5%	1/10W
R33	1-216-833-11	METAL CHIP	10K	5%	1/10W
R34	1-216-833-11	METAL CHIP	10K	5%	1/10W
R35	1-216-857-11	METAL CHIP	1M	5%	1/10W
R36	1-216-797-11	METAL CHIP	10	5%	1/10W
R38	1-216-833-11	METAL CHIP	10K	5%	1/10W
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R43	1-216-833-11	METAL CHIP	10K	5%	1/10W
R45	1-216-833-11	METAL CHIP	10K	5%	1/10W
R46	1-216-801-11	METAL CHIP	22	5%	1/10W
R47	1-216-864-11	SHORT CHIP	0		
R48	1-216-864-11	SHORT CHIP	0		
R49	1-216-864-11	SHORT CHIP	0		
R50	1-216-864-11	SHORT CHIP	0		
R51	1-216-864-11	SHORT CHIP	0		
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-801-11	METAL CHIP	22	5%	1/10W
R54	1-216-801-11	METAL CHIP	22	5%	1/10W
R55	1-216-864-11	SHORT CHIP	0		
R56	1-216-864-11	SHORT CHIP	0		
R57	1-216-864-11	SHORT CHIP	0		
R58	1-216-864-11	SHORT CHIP	0		
R59	1-216-864-11	SHORT CHIP	0		
R60	1-216-801-11	METAL CHIP	22	5%	1/10W
R61	1-216-864-11	SHORT CHIP	0		
R62	1-216-864-11	SHORT CHIP	0		
R63	1-216-864-11	SHORT CHIP	0		
R64	1-216-801-11	METAL CHIP	22	5%	1/10W
R65	1-216-801-11	METAL CHIP	22	5%	1/10W
R66	1-216-801-11	METAL CHIP	22	5%	1/10W
R67	1-216-801-11	METAL CHIP	22	5%	1/10W
R68	1-216-801-11	METAL CHIP	22	5%	1/10W
R69	1-216-864-11	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
RB1	1-234-523-21	RES, CHIP NETWORK 0 (3216)			
RB6	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB7	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB8	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB9	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB10	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB11	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB12	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB13	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
		< VIBRATOR >			
X1	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			

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E-VOLUME

Ref. No.	Part No.	Description			Remark
	A-1182-340-A	E-VOLUME BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1202	1-112-114-11	ELECT	22uF	20%	50V
C1203	1-112-083-11	ELECT	100uF	20%	16V
C1204	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1205	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1206	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1207	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1208	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1209	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1210	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1212	1-112-114-11	ELECT	22uF	20%	50V
C1213	1-112-083-11	ELECT	100uF	20%	16V
C1214	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1215	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1216	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1217	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1218	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1219	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1220	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1222	1-112-114-11	ELECT	22uF	20%	50V
C1223	1-112-083-11	ELECT	100uF	20%	16V
C1224	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1225	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1226	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1227	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1228	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1229	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1230	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1232	1-112-114-11	ELECT	22uF	20%	50V
C1233	1-112-083-11	ELECT	100uF	20%	16V
C1234	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1235	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1236	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1237	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1238	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1239	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1240	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1243	1-112-426-11	ELECT	47uF	20%	35V
C1244	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1252	1-112-114-11	ELECT	22uF	20%	50V
C1253	1-112-083-11	ELECT	100uF	20%	16V
C1254	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1255	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1262	1-112-114-11	ELECT	22uF	20%	50V
C1263	1-112-083-11	ELECT	100uF	20%	16V
C1264	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1265	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1272	1-112-114-11	ELECT	22uF	20%	50V
C1273	1-112-083-11	ELECT	100uF	20%	16V
C1274	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1275	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1280	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1282	1-112-114-11	ELECT	22uF	20%	50V
C1283	1-112-083-11	ELECT	100uF	20%	16V
C1284	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1285	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1286	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1290	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
		< CONNECTOR >			
CNP1208	1-794-003-11	CONNECTOR 15P			
CNS1201	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P			
CNS1202	1-784-041-41	CONNECTOR, BOARD TO BOARD 9P			
CNS1203	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CNS1204	1-770-593-41	CONNECTOR, BOARD TO BOARD 5P			
		< IC >			
IC1202	8-759-710-97	IC NJM4565M-D			
IC1203	6-709-814-01	IC CXD9725M-HFL			
IC1212	8-759-710-97	IC NJM4565M-D			
IC1213	6-709-814-01	IC CXD9725M-HFL			
IC1222	8-759-710-97	IC NJM4565M-D			
IC1223	6-709-814-01	IC CXD9725M-HFL			
IC1232	8-759-710-97	IC NJM4565M-D			
IC1233	6-709-814-01	IC CXD9725M-HFL			
		< RESISTOR >			
R1202	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1203	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1204	1-216-025-11	RES-CHIP	100	5%	1/10W
R1205	1-216-013-00	RES-CHIP	33	5%	1/10W
R1206	1-216-013-00	RES-CHIP	33	5%	1/10W
R1207	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1212	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1213	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1214	1-216-025-11	RES-CHIP	100	5%	1/10W
R1215	1-216-013-00	RES-CHIP	33	5%	1/10W
R1216	1-216-013-00	RES-CHIP	33	5%	1/10W
R1217	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1222	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1223	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1224	1-216-025-11	RES-CHIP	100	5%	1/10W
R1225	1-216-013-00	RES-CHIP	33	5%	1/10W
R1226	1-216-013-00	RES-CHIP	33	5%	1/10W
R1227	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1232	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1233	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1234	1-216-025-11	RES-CHIP	100	5%	1/10W
R1235	1-216-013-00	RES-CHIP	33	5%	1/10W
R1236	1-216-013-00	RES-CHIP	33	5%	1/10W
R1237	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1252	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1253	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1257	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1262	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1263	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1267	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1272	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1273	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1277	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1282	1-216-049-11	RES-CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1283	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1287	1-216-097-11	RES-CHIP	100K	5%	1/10W

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HDMI SW BOARD
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< CAPACITOR >

C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5002	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5008	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5009	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5010	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5012	1-117-681-11	ELECT CHIP	100uF	20%	16V
C5013	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C5014	1-126-246-11	ELECT CHIP	220uF	20%	4V
C5015	1-128-994-21	ELECT CHIP	47uF	20%	10V
C5016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5017	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C5018	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C5019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5022	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5027	1-128-994-21	ELECT CHIP	47uF	20%	10V

< CONNECTOR >

CN5001	1-820-735-11	HDMI CONNECTOR (HDMI DVD IN)	
CN5002	1-820-735-11	HDMI CONNECTOR (HDMI TV/SAT IN)	
CN5003	1-820-735-11	HDMI CONNECTOR (HDMI MONITOR OUT)	
* CN5004	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P	

< IC >

IC5001	6-709-221-01	IC	TMDS341PFCR
IC5002	6-705-337-01	IC	TK11150CSCL-G
IC5003	6-705-468-01	IC	BA33BC0FP-E2
IC5004	6-704-351-01	IC	SN74LVC2G08DCUR
IC5005	6-707-207-01	IC	SN74LVC1G3157DCKR

< FERRITE BEAD >

L5013	1-400-862-11	BEAD, FERRITE	

< RESISTOR >

R5001	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R5002	1-218-844-11	METAL CHIP	750	0.5%	1/10W
R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5004	1-216-864-11	SHORT CHIP	0		
R5005	1-216-864-11	SHORT CHIP	0		
R5006	1-216-864-11	SHORT CHIP	0		
R5007	1-216-864-11	SHORT CHIP	0		
R5008	1-216-864-11	SHORT CHIP	0		
R5009	1-216-864-11	SHORT CHIP	0		
R5010	1-216-864-11	SHORT CHIP	0		
R5011	1-216-864-11	SHORT CHIP	0		
R5014	1-216-864-11	SHORT CHIP	0		
R5015	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5016	1-216-864-11	SHORT CHIP	0		
R5017	1-216-864-11	SHORT CHIP	0		
R5018	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5019	1-216-864-11	SHORT CHIP	0		
R5020	1-216-864-11	SHORT CHIP	0		
R5022	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5023	1-216-864-11	SHORT CHIP	0		
R5024	1-216-864-11	SHORT CHIP	0		
R5025	1-216-864-11	SHORT CHIP	0		
R5026	1-216-809-11	METAL CHIP	100	5%	1/10W
R5027	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5028	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5029	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5030	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5042	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5043	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5047	1-216-864-11	SHORT CHIP	0		
R5048	1-216-864-11	SHORT CHIP	0		
R5049	1-216-864-11	SHORT CHIP	0		
R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5055	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5056	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5060	1-216-864-11	SHORT CHIP	0		
R5061	1-216-864-11	SHORT CHIP	0		
R5068	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5069	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5072	1-216-809-11	METAL CHIP	100	5%	1/10W
R5073	1-216-864-11	SHORT CHIP	0		
R5074	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

****

KEY 1 BOARD
****

< CONNECTOR >

* CN715	1-568-941-11	PIN, CONNECTOR 3P	

< RESISTOR >

R760	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R761	1-216-057-00	RES-CHIP	2.2K	5%	1/10W

< SWITCH >

S720	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN)
S721	1-771-349-21	SWITCH, KEYBOARD (DIRECT)

****

KEY 2 BOARD
****

< CONNECTOR >

* CN727	1-568-941-11	PIN, CONNECTOR 3P

KEY 2 **M-VOL** **MAIN**

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R784	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
		< SWITCH >			
S725	1-771-349-21	SWITCH, KEYBOARD (SPEAKERS (OFF/A/B/A+B))			
**********					
		M-VOL BOARD			
		**********			
		< CONNECTOR >			
* CN716	1-564-725-11	PIN, CONNECTOR (SMALL TYPE) 9P			
CN717	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
		< ROTARY ENCODER >			
S722	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
**********					
	A-1182-279-A	MAIN BOARD, COMPLETE			
		**********			
	1-533-313-11	FUSE HOLDER			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-128-809-11	CERAMIC	100PF	5%	50V
C1002	1-128-809-11	CERAMIC	100PF	5%	50V
C1003	1-128-825-11	CERAMIC	2200PF	5%	50V
C1004	1-128-809-11	CERAMIC	100PF	5%	50V
C1005	1-128-809-11	CERAMIC	100PF	5%	50V
C1006	1-128-809-11	CERAMIC	100PF	5%	50V
C1007	1-128-809-11	CERAMIC	100PF	5%	50V
C1008	1-128-809-11	CERAMIC	100PF	5%	50V
C1009	1-128-809-11	CERAMIC	100PF	5%	50V
C1010	1-128-825-11	CERAMIC	2200PF	5%	50V
C1011	1-128-825-11	CERAMIC	2200PF	5%	50V
C1012	1-128-825-11	CERAMIC	2200PF	5%	50V
C1013	1-127-876-11	CERAMIC	0.01uF	10%	50V
C1014	1-128-809-11	CERAMIC	100PF	5%	50V
C1015	1-112-114-11	ELECT	22uF	20%	50V
C1016	1-112-114-11	ELECT	22uF	20%	50V
C1017	1-112-114-11	ELECT	22uF	20%	50V
C1018	1-112-114-11	ELECT	22uF	20%	50V
C1019	1-112-114-11	ELECT	22uF	20%	50V
C1020	1-112-114-11	ELECT	22uF	20%	50V
C1021	1-112-114-11	ELECT	22uF	20%	50V
C1022	1-112-114-11	ELECT	22uF	20%	50V
C1101	1-128-821-11	CERAMIC	1000PF	5%	50V
C1102	1-128-821-11	CERAMIC	1000PF	5%	50V
C1103	1-128-809-11	CERAMIC	100PF	5%	50V
C1104	1-128-809-11	CERAMIC	100PF	5%	50V
C1106	1-128-809-11	CERAMIC	100PF	5%	50V
C1107	1-128-809-11	CERAMIC	100PF	5%	50V
C1108	1-128-809-11	CERAMIC	100PF	5%	50V
C1109	1-128-809-11	CERAMIC	100PF	5%	50V
C1111	1-128-809-11	CERAMIC	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C1112	1-128-809-11	CERAMIC	100PF	5%	50V
C1113	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1114	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1115	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1116	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1117	1-112-114-11	ELECT	22uF	20%	50V
C1118	1-112-114-11	ELECT	22uF	20%	50V
C1119	1-112-114-11	ELECT	22uF	20%	50V
C1120	1-112-114-11	ELECT	22uF	20%	50V
C1121	1-112-114-11	ELECT	22uF	20%	50V
C1122	1-112-114-11	ELECT	22uF	20%	50V
C1123	1-112-114-11	ELECT	22uF	20%	50V
C1124	1-112-114-11	ELECT	22uF	20%	50V
C1201	1-112-114-11	ELECT	22uF	20%	50V
C1211	1-112-114-11	ELECT	22uF	20%	50V
C1221	1-112-114-11	ELECT	22uF	20%	50V
C1231	1-112-114-11	ELECT	22uF	20%	50V
C1241	1-112-114-11	ELECT	22uF	20%	50V
C1242	1-112-114-11	ELECT	22uF	20%	50V
C1251	1-112-114-11	ELECT	22uF	20%	50V
C1261	1-112-114-11	ELECT	22uF	20%	50V
C1271	1-112-114-11	ELECT	22uF	20%	50V
C1281	1-112-114-11	ELECT	22uF	20%	50V
C1301	1-128-825-11	CERAMIC	2200PF	5%	50V
C1302	1-128-825-11	CERAMIC	2200PF	5%	50V
C1303	1-127-876-11	CERAMIC	0.01uF	10%	50V
C1304	1-112-114-11	ELECT	22uF	20%	50V
C1305	1-112-114-11	ELECT	22uF	20%	50V
C1306	1-128-809-11	CERAMIC	100PF	5%	50V
C1401	1-114-243-11	ELECT (BLOCK)	8200uF	20%	71V
C1402	1-114-243-11	ELECT (BLOCK)	8200uF	20%	71V
C1403	1-137-350-11	FILM	0.015uF	5%	100V
C1404	1-137-350-11	FILM	0.015uF	5%	100V
C1405	1-104-999-11	MYLAR	0.1uF	5%	200V
C1406	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1408	1-112-422-11	ELECT	470uF	20%	25V
C1409	1-112-422-11	ELECT	470uF	20%	25V
C1410	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1411	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1414	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1415	1-112-422-11	ELECT	470uF	20%	25V
C1416	1-112-422-11	ELECT	470uF	20%	25V
C1417	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1418	1-112-422-11	ELECT	470uF	20%	25V
C1419	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1420	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1421	1-112-422-11	ELECT	470uF	20%	25V
C1422	1-137-350-11	FILM	0.015uF	5%	100V
C1423	1-137-350-11	FILM	0.015uF	5%	100V
C1424	1-112-093-11	ELECT	2200uF	20%	25V
C1425	1-112-093-11	ELECT	2200uF	20%	25V
C1428	1-104-999-11	MYLAR	0.1uF	5%	200V
C4001	1-128-809-11	CERAMIC	100PF	5%	50V
C4002	1-128-809-11	CERAMIC	100PF	5%	50V
C4003	1-128-809-11	CERAMIC	100PF	5%	50V
C4004	1-137-395-91	MYLAR	0.022uF	5%	100V
C4005	1-137-395-91	MYLAR	0.022uF	5%	100V
C4006	1-128-809-11	CERAMIC	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C4007	1-128-809-11	CERAMIC	100PF	5%	50V
C4008	1-137-395-91	MYLAR	0.022uF	5%	100V
C5216	1-112-077-11	ELECT	1000uF	20%	6.3V
		< CONNECTOR >			
CN1401	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CNP1001	1-784-930-11	PIN, CONNECTOR 15P			
CNP1002	1-794-006-11	CONNECTOR 20P			
CNP1003	1-794-004-11	CONNECTOR 17P			
CNP1203	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P			
CNP1204	1-770-594-21	CONNECTOR, BOARD TO BOARD 5P			
CNP1205	1-794-003-11	CONNECTOR 15P			
CNP1403	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P			
CNP1404	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNP1405	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
		< DIODE >			
D1001	8-719-991-33	DIODE 1SS133T-77			
D1002	8-719-991-33	DIODE 1SS133T-77			
D1003	8-719-991-33	DIODE 1SS133T-77			
D1004	8-719-991-33	DIODE 1SS133T-77			
D1005	8-719-991-33	DIODE 1SS133T-77			
D1101	8-719-991-33	DIODE 1SS133T-77			
D1102	8-719-991-33	DIODE 1SS133T-77			
D1103	8-719-991-33	DIODE 1SS133T-77			
D1104	8-719-991-33	DIODE 1SS133T-77			
D1401	8-719-302-38	DIODE RBV-602-01			
D1402	8-719-921-63	DIODE MTZJ-7.5B			
D1403	8-719-991-33	DIODE 1SS133T-77			
D1405	6-500-522-11	DIODE 10EDB40-TA2B5			
D1406	6-500-522-11	DIODE 10EDB40-TA2B5			
D1407	6-500-522-11	DIODE 10EDB40-TA2B5			
D1408	6-500-522-11	DIODE 10EDB40-TA2B5			
D1410	6-500-522-11	DIODE 10EDB40-TA2B5			
D1411	8-719-302-37	DIODE RBV-602			
D1412	8-719-991-33	DIODE 1SS133T-77			
D1413	8-719-991-33	DIODE 1SS133T-77			
D1414	8-719-991-33	DIODE 1SS133T-77			
D4001	8-719-991-33	DIODE 1SS133T-77			
D4002	8-719-991-33	DIODE 1SS133T-77			
D4003	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC1001	6-709-811-01	IC TC9274CNG-016			
IC1201	8-759-167-88	IC NJM4565D			
IC1211	8-759-167-88	IC NJM4565D			
IC1221	8-759-167-88	IC NJM4565D			
IC1231	8-759-167-88	IC NJM4565D			
IC1301	6-709-809-01	IC TC9273CFG-012 (EL)			
IC1302	8-759-167-88	IC NJM4565D			
IC1303	8-759-167-88	IC NJM4565D			
IC1401	8-759-231-59	IC TA7815S			
IC1402	8-759-245-87	IC TA79015S			
IC1405	6-702-771-01	IC TA78033LS			
IC1406	8-759-496-15	IC BA05ST-V5			
IC1407	8-759-245-79	IC TA79005S			
IC1408	6-703-550-01	IC TA7809LS			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J1001	1-794-981-11	JACK, PIN 4P (MULTI CHANNEL INPUT FRONT L/FRONT R/SURROUND L/SURROUND R)			
J1002	1-766-398-21	JACK, PIN 4P (MULTI CHANNEL INPUT SUR BACK L/SUR BACK R/CENTER/SUB WOOFER)			
J1101	1-794-981-11	JACK, PIN 4P (PREOUT FRONT L/FRONT R/ SURROUND L/SURROUND R)			
J1102	1-766-398-21	JACK, PIN 4P (PREOUT SUR BACK L/ SUR BACK R/CENTER/SUB WOOFER)			
		< TRANSISTOR >			
Q1101	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1102	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1103	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1104	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1401	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1402	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1404	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1406	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q1408	8-729-029-86	TRANSISTOR	DTC124ESA		
Q1410	8-729-029-86	TRANSISTOR	DTC124ESA		
Q4001	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q4002	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q4003	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q5211	8-729-209-15	TRANSISTOR	2SD2012		
		< RESISTOR >			
R1001	1-249-441-11	CARBON	100K	5%	1/4W
R1002	1-249-441-11	CARBON	100K	5%	1/4W
R1003	1-249-441-11	CARBON	100K	5%	1/4W
R1004	1-249-441-11	CARBON	100K	5%	1/4W
R1005	1-249-441-11	CARBON	100K	5%	1/4W
R1006	1-249-441-11	CARBON	100K	5%	1/4W
R1007	1-249-441-11	CARBON	100K	5%	1/4W
R1008	1-249-441-11	CARBON	100K	5%	1/4W
R1010	1-249-417-11	CARBON	1K	5%	1/4W
R1011	1-249-417-11	CARBON	1K	5%	1/4W
R1012	1-249-417-11	CARBON	1K	5%	1/4W
R1013	1-249-417-11	CARBON	1K	5%	1/4W
R1014	1-249-417-11	CARBON	1K	5%	1/4W
R1015	1-249-417-11	CARBON	1K	5%	1/4W
R1016	1-249-417-11	CARBON	1K	5%	1/4W
R1017	1-249-417-11	CARBON	1K	5%	1/4W
R1018	1-249-417-11	CARBON	1K	5%	1/4W
R1101	1-259-428-61	CARBON	1K	5%	1/6W
R1102	1-259-428-61	CARBON	1K	5%	1/6W
R1103	1-259-428-61	CARBON	1K	5%	1/6W
R1104	1-259-428-61	CARBON	1K	5%	1/6W
R1105	1-259-428-61	CARBON	1K	5%	1/6W
R1106	1-259-428-61	CARBON	1K	5%	1/6W
R1107	1-259-428-61	CARBON	1K	5%	1/6W
R1108	1-259-428-61	CARBON	1K	5%	1/6W
R1109	1-247-847-91	CARBON	4.7K	5%	1/4W
R1110	1-247-847-91	CARBON	4.7K	5%	1/4W
R1111	1-247-847-91	CARBON	4.7K	5%	1/4W
R1112	1-247-847-91	CARBON	4.7K	5%	1/4W
R1113	1-249-429-11	CARBON	10K	5%	1/4W
R1114	1-249-429-11	CARBON	10K	5%	1/4W

MAIN **MIC** **POWER AMP**

Ref. No.	Part No.	Description			Remark
R1115	1-249-429-11	CARBON	10K	5%	1/4W
R1116	1-249-429-11	CARBON	10K	5%	1/4W
⚠R1117	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1118	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1119	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1120	1-249-393-11	CARBON	10	5%	1/4W F
R1122	1-259-404-61	CARBON	100	5%	1/6W
R1123	1-259-404-61	CARBON	100	5%	1/6W
R1126	1-259-404-61	CARBON	100	5%	1/6W
R1127	1-259-404-61	CARBON	100	5%	1/6W
R1130	1-259-404-61	CARBON	100	5%	1/6W
R1131	1-259-404-61	CARBON	100	5%	1/6W
R1134	1-259-404-61	CARBON	100	5%	1/6W
R1135	1-259-404-61	CARBON	100	5%	1/6W
R1137	1-259-476-61	CARBON	100K	5%	1/6W
R1138	1-259-476-61	CARBON	100K	5%	1/6W
R1139	1-259-476-61	CARBON	100K	5%	1/6W
R1140	1-259-476-61	CARBON	100K	5%	1/6W
R1141	1-259-476-61	CARBON	100K	5%	1/6W
R1142	1-259-476-61	CARBON	100K	5%	1/6W
R1143	1-259-476-61	CARBON	100K	5%	1/6W
R1144	1-259-476-61	CARBON	100K	5%	1/6W
R1201	1-259-476-61	CARBON	100K	5%	1/6W
R1211	1-259-476-61	CARBON	100K	5%	1/6W
R1221	1-259-476-61	CARBON	100K	5%	1/6W
R1231	1-259-476-61	CARBON	100K	5%	1/6W
R1251	1-259-476-61	CARBON	100K	5%	1/6W
R1261	1-259-476-61	CARBON	100K	5%	1/6W
R1271	1-259-476-61	CARBON	100K	5%	1/6W
R1281	1-259-476-61	CARBON	100K	5%	1/6W
⚠R1301	1-249-399-11	CARBON	33	5%	1/4W F
⚠R1302	1-249-399-11	CARBON	33	5%	1/4W F
R1303	1-259-452-61	CARBON	10K	5%	1/6W
R1304	1-259-452-61	CARBON	10K	5%	1/6W
R1305	1-259-452-61	CARBON	10K	5%	1/6W
R1306	1-259-452-61	CARBON	10K	5%	1/6W
R1307	1-259-452-61	CARBON	10K	5%	1/6W
R1308	1-259-452-61	CARBON	10K	5%	1/6W
R1309	1-259-452-61	CARBON	10K	5%	1/6W
R1310	1-259-452-61	CARBON	10K	5%	1/6W
R1311	1-259-456-61	CARBON	15K	5%	1/6W
R1312	1-259-456-61	CARBON	15K	5%	1/6W
R1313	1-247-847-91	CARBON	4.7K	5%	1/4W
R1314	1-247-847-91	CARBON	4.7K	5%	1/4W
R1315	1-259-456-61	CARBON	15K	5%	1/6W
R1316	1-259-456-61	CARBON	15K	5%	1/6W
R1317	1-249-417-11	CARBON	1K	5%	1/4W
⚠R1401	1-249-407-11	CARBON	150	5%	1/4W F
R1403	1-249-421-11	CARBON	2.2K	5%	1/4W
R1404	1-249-429-11	CARBON	10K	5%	1/4W
⚠R1405	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1407	1-215-867-00	METAL OXIDE	470	5%	1W F
⚠R1408	1-215-867-00	METAL OXIDE	470	5%	1W F
R1409	1-249-409-11	CARBON	220	5%	1/4W
R1411	1-247-847-91	CARBON	4.7K	5%	1/4W
R1412	1-247-847-91	CARBON	4.7K	5%	1/4W
R1416	1-249-429-11	CARBON	10K	5%	1/4W
⚠R1417	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1418	1-249-407-11	CARBON	150	5%	1/4W F
⚠R4001	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4002	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4003	1-249-393-11	CARBON	10	5%	1/4W F
R4006	1-249-393-11	CARBON	10	5%	1/4W
R4007	1-249-393-11	CARBON	10	5%	1/4W
R4008	1-249-393-11	CARBON	10	5%	1/4W
R4009	1-249-429-11	CARBON	10K	5%	1/4W
R4010	1-249-429-11	CARBON	10K	5%	1/4W
R4011	1-249-429-11	CARBON	10K	5%	1/4W
⚠R4012	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4013	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4014	1-249-393-11	CARBON	10	5%	1/4W F
		< RELAY >			
RY1101	1-755-486-11	RELAY			
RY1102	1-755-486-11	RELAY			
RY1103	1-755-486-11	RELAY			
RY1104	1-755-486-11	RELAY			
RY1401	1-755-486-11	RELAY			
RY1402	1-755-031-11	RELAY			
RY4001	1-515-920-11	RELAY (24V)			
RY4002	1-515-920-11	RELAY (24V)			
RY4003	1-515-920-11	RELAY (24V)			
		< TERMINAL >			
TM4001	1-780-405-11	TERMINAL BOARD (SP) (2P) (SPEAKERS CENTER)			
TM4002	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT A/B)			
**********					
		MIC BOARD			
		**********			
		< CAPACITOR >			
C755	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
CN718	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< JACK >			
J701	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)			
		< LEAD >			
W701	1-775-377-21	LEAD (WITH CONNECTOR)			
**********					
		POWER AMP BOARD			
		**********			
		< CAPACITOR >			
C1512	1-107-597-11	CERAMIC	22PF	5%	500V
C1513	1-107-597-11	CERAMIC	22PF	5%	500V
C1562	1-107-597-11	CERAMIC	22PF	5%	500V
C1563	1-107-597-11	CERAMIC	22PF	5%	500V
C1612	1-107-597-11	CERAMIC	22PF	5%	500V

Ref. No.	Part No.	Description			Remark
C1613	1-107-597-11	CERAMIC	22PF	5%	500V
C1712	1-107-597-11	CERAMIC	22PF	5%	500V
C1713	1-107-597-11	CERAMIC	22PF	5%	500V
C1762	1-107-597-11	CERAMIC	22PF	5%	500V
C1763	1-107-597-11	CERAMIC	22PF	5%	500V
C1812	1-107-597-11	CERAMIC	22PF	5%	500V
C1813	1-107-597-11	CERAMIC	22PF	5%	500V
C1862	1-107-597-11	CERAMIC	22PF	5%	500V
C1863	1-107-597-11	CERAMIC	22PF	5%	500V
C1903	1-112-111-11	ELECT	100uF	20%	100V
C1904	1-112-111-11	ELECT	100uF	20%	100V
		< CONNECTOR >			
CN1901	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CNP1903	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P			
CNP1904	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P			
		< COIL >			
L1501	1-420-872-52	COIL, AIR-CORE			
L1551	1-420-872-52	COIL, AIR-CORE			
L1601	1-420-872-52	COIL, AIR-CORE			
L1701	1-420-872-52	COIL, AIR-CORE			
L1751	1-420-872-52	COIL, AIR-CORE			
L1801	1-420-872-52	COIL, AIR-CORE			
L1851	1-420-872-52	COIL, AIR-CORE			
		< RESISTOR >			
⚠R1515	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1516	1-234-572-21	ENCAPSULATED COMPONENT			F
⚠R1517	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1518	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1565	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1566	1-234-572-21	ENCAPSULATED COMPONENT			F
⚠R1567	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1568	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1615	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1616	1-234-572-21	ENCAPSULATED COMPONENT			F
⚠R1617	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1618	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1715	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1716	1-234-572-21	ENCAPSULATED COMPONENT			F
⚠R1717	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1718	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1765	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1766	1-234-572-21	ENCAPSULATED COMPONENT			F
⚠R1767	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1768	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1815	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1816	1-234-572-21	ENCAPSULATED COMPONENT			F
⚠R1817	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1818	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1865	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1866	1-234-572-21	ENCAPSULATED COMPONENT			F
⚠R1867	1-249-405-11	CARBON	100	5%	1/4W F
⚠R1868	1-249-393-11	CARBON	10	5%	1/4W F

Ref. No.	Part No.	Description			Remark
		POWER SW BOARD			
		**********			
		< CONNECTOR >			
CN1	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN2	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
		< SWITCH >			
⚠SW1	1-786-377-11	SWITCH, POWER (POWER)			
		SP TERMINAL BOARD			
		**********			
		< CAPACITOR >			
C4101	1-137-395-91	MYLAR	0.022uF	5%	100V
C4102	1-137-395-91	MYLAR	0.022uF	5%	100V
C4103	1-137-395-91	MYLAR	0.022uF	5%	100V
C4104	1-137-395-91	MYLAR	0.022uF	5%	100V
C4105	1-128-809-11	CERAMIC	100PF	5%	50V
C4106	1-128-809-11	CERAMIC	100PF	5%	50V
C4107	1-128-809-11	CERAMIC	100PF	5%	50V
C4108	1-128-809-11	CERAMIC	100PF	5%	50V
		< CONNECTOR >			
CNP4101	1-785-105-11	PIN, CONNECTOR (3.96mm PITCH) 7P			
CNP4102	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
CNP4103	1-784-921-11	PIN, CONNECTOR 4P			
CNP4104	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
		< DIODE >			
D4101	8-719-991-33	DIODE 1SS133T-77			
D4102	8-719-991-33	DIODE 1SS133T-77			
		< TRANSISTOR >			
Q4101	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q4102	8-729-119-78	TRANSISTOR	2SC2785-HFE		
		< RESISTOR >			
R4101	1-249-393-11	CARBON	10	5%	1/4W
R4102	1-249-393-11	CARBON	10	5%	1/4W
⚠R4103	1-249-393-11	CARBON	10	5%	1/4W F
R4104	1-249-429-11	CARBON	10K	5%	1/4W
⚠R4105	1-249-393-11	CARBON	10	5%	1/4W F
R4106	1-249-429-11	CARBON	10K	5%	1/4W
⚠R4107	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4108	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4109	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4110	1-249-393-11	CARBON	10	5%	1/4W F
		< RELAY >			
RY4101	1-515-920-11	RELAY (24V)			
RY4102	1-515-920-11	RELAY (24V)			
		< TERMINAL >			
TM4101	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS SURROUND/SURROUND BACK)			

S-VIDEO **VIDEO**

Ref. No.	Part No.	Description			Remark
	A-1182-345-A	S-VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C6901	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6902	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6906	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6907	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6908	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6909	1-126-964-11	ELECT	10uF	20%	50V
C6910	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6911	1-126-964-11	ELECT	10uF	20%	50V
C6912	1-126-964-11	ELECT	10uF	20%	50V
C6915	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6917	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6918	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6919	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6920	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6921	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6922	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6923	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6924	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6925	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6926	1-126-947-11	ELECT	47uF	20%	35V
C6927	1-126-947-11	ELECT	47uF	20%	35V
C6928	1-126-964-11	ELECT	10uF	20%	50V
C6929	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6930	1-126-947-11	ELECT	47uF	20%	35V
C6931	1-126-947-11	ELECT	47uF	20%	35V
		< CONNECTOR >			
CNP6901	1-784-922-11	PIN, CONNECTOR 5P			
CNP6902	1-779-977-11	PIN, CONNECTOR 6P			
CNS6903	1-779-283-11	CONNECTOR, FFC (LIF (NON-ZIF)) 15P			
		< DIODE >			
D6901	8-719-988-61	DIODE 1SS355TE-17			
D6902	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB6901	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6902	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6903	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6904	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC6901	6-700-050-01	IC NJM2596M (TE2)			
IC6902	6-704-199-01	IC NJM2595M-TE2			
		< JACK >			
J6901	1-537-943-11	CONNECTOR (DIN) 1P (S VIDEO MONITOR OUT)			
J6902	1-794-937-11	CONNECTOR (DIN) 2P (DVD/TV/SAT S VIDEO IN)			
J6904	1-794-937-11	CONNECTOR (DIN) 2P (VIDEO 1 S VIDEO IN/OUT)			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R6901	1-216-864-11	SHORT CHIP	0		
R6902	1-216-864-11	SHORT CHIP	0		
R6904	1-216-864-11	SHORT CHIP	0		
R6905	1-218-285-11	METAL CHIP	75	5%	1/10W
R6906	1-218-285-11	METAL CHIP	75	5%	1/10W
R6907	1-218-285-11	METAL CHIP	75	5%	1/10W
R6908	1-218-285-11	METAL CHIP	75	5%	1/10W
R6909	1-218-285-11	METAL CHIP	75	5%	1/10W
R6911	1-218-285-11	METAL CHIP	75	5%	1/10W
R6912	1-218-285-11	METAL CHIP	75	5%	1/10W
R6917	1-218-285-11	METAL CHIP	75	5%	1/10W
R6919	1-218-285-11	METAL CHIP	75	5%	1/10W
R6923	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6924	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6925	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6927	1-218-285-11	METAL CHIP	75	5%	1/10W
R6928	1-216-864-11	SHORT CHIP	0		
R6930	1-216-864-11	SHORT CHIP	0		
R6932	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6933	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6934	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6935	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6936	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6937	1-216-864-11	SHORT CHIP	0		
R6938	1-216-864-11	SHORT CHIP	0		
**********					
	A-1182-344-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C6301	1-126-960-11	ELECT	1uF	20%	50V
C6302	1-126-960-11	ELECT	1uF	20%	50V
C6303	1-126-960-11	ELECT	1uF	20%	50V
C6304	1-126-960-11	ELECT	1uF	20%	50V
C6305	1-126-960-11	ELECT	1uF	20%	50V
C6306	1-126-960-11	ELECT	1uF	20%	50V
C6307	1-126-962-11	ELECT	3.3uF	20%	50V
C6308	1-126-933-11	ELECT	100uF	20%	16V
C6309	1-126-916-11	ELECT	1000uF	20%	6.3V
C6310	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6323	1-126-964-11	ELECT	10uF	20%	50V
C6324	1-126-964-11	ELECT	10uF	20%	50V
C6325	1-126-964-11	ELECT	10uF	20%	50V
C6332	1-126-947-11	ELECT	47uF	20%	35V
C6333	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6334	1-126-947-11	ELECT	47uF	20%	35V
C6335	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6336	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6402	1-126-964-11	ELECT	10uF	20%	50V
C6404	1-126-964-11	ELECT	10uF	20%	50V
C6406	1-126-964-11	ELECT	10uF	20%	50V
C6408	1-126-964-11	ELECT	10uF	20%	50V
C6409	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6410	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6431	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description			Remark
C6432	1-126-947-11	ELECT	47uF	20%	35V
C6433	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6434	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6435	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6436	1-126-964-11	ELECT	10uF	20%	50V
C6437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6439	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6440	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6441	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6442	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6443	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6444	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6445	1-126-947-11	ELECT	47uF	20%	35V
C6446	1-126-947-11	ELECT	47uF	20%	35V
C6501	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C6502	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C6503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6504	1-126-947-11	ELECT	47uF	20%	35V
C6505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6509	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6513	1-126-947-11	ELECT	47uF	20%	35V
C6514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6516	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C6517	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C6519	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C6521	1-126-947-11	ELECT	47uF	20%	35V
C6522	1-126-947-11	ELECT	47uF	20%	35V
C6523	1-126-947-11	ELECT	47uF	20%	35V
C6524	1-126-933-11	ELECT	100uF	20%	16V
C6525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6601	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6602	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C6603	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6604	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C6605	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6606	1-126-964-11	ELECT	10uF	20%	50V
C6607	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6608	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6609	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6610	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6611	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6612	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6613	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6614	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6615	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6616	1-126-933-11	ELECT	100uF	20%	16V
C6617	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6618	1-126-933-11	ELECT	100uF	20%	16V
C6619	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6620	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6621	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C6622	1-126-933-11	ELECT	100uF	20%	16V
C6623	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6624	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6631	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C6632	1-137-150-11	FILM	0.01uF	5%	100V
C6634	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6641	1-126-964-11	ELECT	10uF	20%	50V
C6645	1-126-947-11	ELECT	47uF	20%	35V
C6646	1-126-947-11	ELECT	47uF	20%	35V
C6647	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6648	1-164-160-11	CERAMIC CHIP	20PF	5%	50V
C6649	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6651	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6652	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6653	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6671	1-126-947-11	ELECT	47uF	20%	35V
C6672	1-126-947-11	ELECT	47uF	20%	35V
C6673	1-126-947-11	ELECT	47uF	20%	35V
C6674	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6675	1-126-947-11	ELECT	47uF	20%	35V
C6676	1-126-947-11	ELECT	47uF	20%	35V
C6677	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6678	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6679	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6701	1-126-960-11	ELECT	1uF	20%	50V
C6702	1-126-960-11	ELECT	1uF	20%	50V
C6703	1-130-495-00	MYLAR	0.1uF	5%	50V
C6704	1-130-495-00	MYLAR	0.1uF	5%	50V
C6705	1-130-495-00	MYLAR	0.1uF	5%	50V
C6706	1-130-495-00	MYLAR	0.1uF	5%	50V
C6707	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C6708	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C6709	1-126-959-11	ELECT	0.47uF	20%	50V
C6710	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C6711	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6712	1-126-947-11	ELECT	47uF	20%	35V
C6713	1-126-959-11	ELECT	0.47uF	20%	50V
C6714	1-126-960-11	ELECT	1uF	20%	50V
C6715	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C6716	1-130-495-00	MYLAR	0.1uF	5%	50V
C6717	1-126-959-11	ELECT	0.47uF	20%	50V
C6718	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6719	1-126-960-11	ELECT	1uF	20%	50V
C6720	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6721	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6723	1-126-964-11	ELECT	10uF	20%	50V
C6724	1-126-933-11	ELECT	100uF	20%	16V
C6725	1-126-947-11	ELECT	47uF	20%	35V
C6726	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6731	1-126-962-11	ELECT	3.3uF	20%	50V
C6732	1-126-933-11	ELECT	100uF	20%	16V
C6733	1-126-916-11	ELECT	1000uF	20%	6.3V
C6734	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6751	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6752	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6753	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6801	1-126-933-11	ELECT	100uF	20%	16V
C6803	1-126-933-11	ELECT	100uF	20%	16V
C6805	1-126-933-11	ELECT	100uF	20%	16V

VIDEO

Ref. No.	Part No.	Description			Remark
C6808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6809	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6813	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN6801	1-820-353-11	PIN, CONNECTOR (PC BOARD) 9P			
CN6803	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
CN6804	1-779-283-11	CONNECTOR, FFC (LIF (NON-ZIF)) 15P			
CNP6001	1-784-922-11	PIN, CONNECTOR 5P			
		< TRIMMER >			
CT6503	1-141-442-91	CAP, CERAMIC TRIMMER			
CT6504	1-141-442-91	CAP, CERAMIC TRIMMER			
		< DIODE >			
D6302	8-719-988-61	DIODE 1SS355TE-17			
D6671	8-719-988-61	DIODE 1SS355TE-17			
D6672	8-719-988-61	DIODE 1SS355TE-17			
D6721	8-719-988-61	DIODE 1SS355TE-17			
D6722	8-719-988-61	DIODE 1SS355TE-17			
D6723	8-719-988-61	DIODE 1SS355TE-17			
D6731	8-719-988-61	DIODE 1SS355TE-17			
D6732	8-719-988-61	DIODE 1SS355TE-17			
D6733	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB6501	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6502	1-414-813-11	FERRITE, EMI (SMD) (2012)			
FB6601	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6602	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6661	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6662	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6801	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< FILTER >			
FL6621	1-239-847-11	FILTER, LOW PASS			
FL6631	1-239-847-11	FILTER, LOW PASS			
		< IC >			
IC6302	8-759-822-05	IC LA7213			
IC6303	8-759-564-49	IC TC7W53FU (TE12R)			
IC6331	6-706-767-01	IC NJM2586AM			
IC6431	6-704-199-01	IC NJM2595M-TE2			
IC6501	6-700-367-01	IC MB90089PF-G-238-BND			
IC6502	8-759-032-01	IC MC74HC00AF			
IC6503	8-759-242-70	IC TC7WU04F			
IC6601	8-752-386-17	IC CXD2064Q			
IC6651	8-759-300-71	IC HD14053BFP			
IC6671	8-759-663-94	IC LA7106M-TLM			
IC6701	8-752-109-74	IC CXA2199Q			
IC6721	8-759-565-20	IC TDA4665T/V5-118			
IC6731	8-759-822-05	IC LA7213			
IC6751	8-759-300-71	IC HD14053BFP			
IC6811	8-759-238-47	IC TC74HCT7007AF (EL)			
IC6812	8-759-268-29	IC SN74HC595ANS			
IC6813	8-759-268-29	IC SN74HC595ANS			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J6301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO)			
J6401	1-794-978-11	JACK, PIN 3P (VIDEO MONITOR OUT, DVD/TV/SAT VIDEO IN)			
J6402	1-794-978-11	JACK, PIN 3P (VIDEO 1 VIDEO OUT, VIDEO 2 VIDEO IN/OUT)			
J6403	1-794-970-11	JACK, PIN 1P (VIDEO 1 VIDEO IN)			
		< JUMPER RESISTOR >			
JW6601	1-216-864-11	SHORT CHIP	0		
JW6603	1-216-864-11	SHORT CHIP	0		
JW6605	1-216-864-11	SHORT CHIP	0		
JW6608	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L6431	1-408-789-21	INDUCTOR	100uH		
L6432	1-408-789-21	INDUCTOR	100uH		
L6501	1-408-781-00	INDUCTOR	22uH		
L6801	1-424-700-21	INDUCTOR	100uH		
		< TRANSISTOR >			
Q6302	1-801-806-11	TRANSISTOR	DTC144EKA-T146		
Q6521	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6522	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6523	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6531	8-729-140-97	TRANSISTOR	2SB734-34		
Q6532	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q6601	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6604	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6621	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6622	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6623	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6624	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6631	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6632	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6633	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6647	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6651	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6652	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6653	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6671	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6672	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6673	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6674	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6675	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6676	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6677	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q6678	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q6701	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6731	1-801-806-11	TRANSISTOR	DTC144EKA-T146		
		< RESISTOR >			
R6301	1-218-285-11	METAL CHIP	75	5%	1/10W
R6302	1-218-285-11	METAL CHIP	75	5%	1/10W
R6303	1-218-285-11	METAL CHIP	75	5%	1/10W
R6304	1-218-285-11	METAL CHIP	75	5%	1/10W
R6305	1-218-285-11	METAL CHIP	75	5%	1/10W

Ref. No.	Part No.	Description			Remark
R6306	1-218-285-11	METAL CHIP	75	5%	1/10W
R6307	1-218-285-11	METAL CHIP	75	5%	1/10W
R6308	1-218-285-11	METAL CHIP	75	5%	1/10W
R6309	1-218-285-11	METAL CHIP	75	5%	1/10W
R6310	1-216-815-11	METAL CHIP	330	5%	1/10W
R6311	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6312	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6313	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6314	1-216-864-11	SHORT CHIP	0		
R6315	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6316	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6317	1-216-864-11	SHORT CHIP	0		
R6401	1-216-864-11	SHORT CHIP	0		
R6402	1-216-864-11	SHORT CHIP	0		
R6403	1-216-864-11	SHORT CHIP	0		
R6404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6405	1-218-285-11	METAL CHIP	75	5%	1/10W
R6406	1-218-285-11	METAL CHIP	75	5%	1/10W
R6407	1-218-285-11	METAL CHIP	75	5%	1/10W
R6408	1-218-285-11	METAL CHIP	75	5%	1/10W
R6409	1-218-285-11	METAL CHIP	75	5%	1/10W
R6410	1-218-285-11	METAL CHIP	75	5%	1/10W
R6411	1-218-285-11	METAL CHIP	75	5%	1/10W
R6501	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6503	1-216-809-11	METAL CHIP	100	5%	1/10W
R6504	1-216-809-11	METAL CHIP	100	5%	1/10W
R6505	1-216-814-11	METAL CHIP	270	5%	1/10W
R6506	1-216-857-11	METAL CHIP	1M	5%	1/10W
R6507	1-216-857-11	METAL CHIP	1M	5%	1/10W
R6508	1-216-814-11	METAL CHIP	270	5%	1/10W
R6509	1-216-809-11	METAL CHIP	100	5%	1/10W
R6521	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6522	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6523	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6524	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6525	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6526	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6527	1-216-809-11	METAL CHIP	100	5%	1/10W
R6528	1-216-809-11	METAL CHIP	100	5%	1/10W
R6529	1-216-809-11	METAL CHIP	100	5%	1/10W
R6531	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6603	1-216-842-11	METAL CHIP	56K	5%	1/10W
R6604	1-216-818-11	METAL CHIP	560	5%	1/10W
R6605	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R6606	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6607	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R6610	1-216-809-11	METAL CHIP	100	5%	1/10W
R6611	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6612	1-216-817-11	METAL CHIP	470	5%	1/10W
R6619	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6621	1-216-811-11	METAL CHIP	150	5%	1/10W
R6622	1-216-809-11	METAL CHIP	100	5%	1/10W
R6623	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6624	1-218-289-11	METAL CHIP	510	5%	1/10W
R6625	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R6626	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6627	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6628	1-216-820-11	METAL CHIP	820	5%	1/10W
R6629	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6631	1-216-812-11	METAL CHIP	180	5%	1/10W
R6632	1-216-809-11	METAL CHIP	100	5%	1/10W
R6633	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6634	1-218-289-11	METAL CHIP	510	5%	1/10W
R6635	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R6636	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6637	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6638	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6639	1-216-809-11	METAL CHIP	100	5%	1/10W
R6640	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6641	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6642	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6644	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6645	1-216-809-11	METAL CHIP	100	5%	1/10W
R6646	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6647	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6651	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6652	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6653	1-216-809-11	METAL CHIP	100	5%	1/10W
R6654	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R6655	1-216-817-11	METAL CHIP	470	5%	1/10W
R6656	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6657	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R6658	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6659	1-216-809-11	METAL CHIP	100	5%	1/10W
R6671	1-216-813-11	METAL CHIP	220	5%	1/10W
R6672	1-216-818-11	METAL CHIP	560	5%	1/10W
R6673	1-216-818-11	METAL CHIP	560	5%	1/10W
R6674	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6675	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6676	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6677	1-216-813-11	METAL CHIP	220	5%	1/10W
R6678	1-216-818-11	METAL CHIP	560	5%	1/10W
R6679	1-216-818-11	METAL CHIP	560	5%	1/10W
R6680	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6681	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6682	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6683	1-216-813-11	METAL CHIP	220	5%	1/10W
R6684	1-216-818-11	METAL CHIP	560	5%	1/10W
R6685	1-216-818-11	METAL CHIP	560	5%	1/10W
R6686	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6687	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6688	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6689	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6690	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6701	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R6702	1-216-817-11	METAL CHIP	470	5%	1/10W
R6703	1-216-835-11	METAL CHIP	15K	5%	1/10W
R6704	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6705	1-216-809-11	METAL CHIP	100	5%	1/10W
R6706	1-216-809-11	METAL CHIP	100	5%	1/10W
R6707	1-216-809-11	METAL CHIP	100	5%	1/10W
R6708	1-216-813-11	METAL CHIP	220	5%	1/10W

VIDEO **VIDEO 3**

Ref. No.	Part No.	Description			Remark
R6709	1-216-851-11	METAL CHIP	330K	5%	1/10W
R6710	1-216-815-11	METAL CHIP	330	5%	1/10W
R6711	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R6712	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6713	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6714	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R6715	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R6716	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R6717	1-216-848-11	METAL CHIP	180K	5%	1/10W
R6731	1-216-815-11	METAL CHIP	330	5%	1/10W
R6732	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6733	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6734	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6735	1-216-864-11	SHORT CHIP	0		
R6736	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6801	1-216-809-11	METAL CHIP	100	5%	1/10W
R6802	1-216-809-11	METAL CHIP	100	5%	1/10W
R6803	1-216-809-11	METAL CHIP	100	5%	1/10W
R6804	1-216-809-11	METAL CHIP	100	5%	1/10W
R6805	1-216-809-11	METAL CHIP	100	5%	1/10W
R6806	1-216-809-11	METAL CHIP	100	5%	1/10W
R6807	1-216-809-11	METAL CHIP	100	5%	1/10W
R6808	1-216-809-11	METAL CHIP	100	5%	1/10W
R6809	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< CONNECTOR >			
TP6501	1-784-921-11	PIN, CONNECTOR 4P			
		< VIBRATOR >			
X6502	1-781-821-21	VIBRATOR, CRYSTAL (14.31MHz)			
X6503	1-781-820-21	VIBRATOR, CRYSTAL (17.734MHz)			
X6701	1-781-342-21	OSCILLATOR, CRYSTAL (3.5795MHz)			
X6702	1-781-134-21	VIBRATOR, CRYSTAL (4.43MHz)			
X6703	1-577-611-11	OSCILALTOR, CERAMIC (500kHz)			

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	A-1182-363-A	VIDEO 3 BOARD, COMPLETE			
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		< CAPACITOR >			
C757	1-104-665-11	ELECT	100uF	20%	25V
C758	1-104-665-11	ELECT	100uF	20%	25V
C759	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C760	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C761	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C762	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C763	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C764	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C765	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C766	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C767	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C768	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C769	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< TERMINAL/CONNECTOR >			
CN720	1-784-808-11	TERMINAL, S			
		(VIDEO 3 IN/PORTABLE AV IN S VIDEO)			
CN721	1-784-923-11	PIN, CONNECTOR 7P			
CN723	1-779-978-11	PIN, CONNECTOR 3P			
CN724	1-779-977-11	PIN, CONNECTOR 6P			
CN725	1-784-922-11	PIN, CONNECTOR 5P			
		< EARTH TERMINAL >			
* ET702	1-537-738-21	TERMINAL, EARTH			
* ET703	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC706	8-759-710-97	IC NJM4565M-D			
IC707	6-600-219-01	IC GP1FM313RZ0F			
		< JACK >			
J702	1-815-313-11	JACK (PHONES)			
J703	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P			
		(VIDEO 3 IN/PORTABLE AV IN AUDIO/VIDEO)			
		< RESISTOR >			
R762	1-216-025-11	RES-CHIP	100	5%	1/10W
R763	1-216-049-11	RES-CHIP	1K	5%	1/10W
R764	1-216-049-11	RES-CHIP	1K	5%	1/10W
R765	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R766	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R767	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R768	1-216-089-11	RES-CHIP	47K	5%	1/10W
R769	1-216-089-11	RES-CHIP	47K	5%	1/10W
R770	1-216-295-00	SHORT CHIP	0		
R775	1-216-295-00	SHORT CHIP	0		
R776	1-216-295-00	SHORT CHIP	0		
R778	1-216-295-00	SHORT CHIP	0		
R785	1-216-295-00	SHORT CHIP	0		
R786	1-216-295-00	SHORT CHIP	0		

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		MISCELLANEOUS	
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55	1-543-793-11	FILTER, CLAMP (FERRITE CORE)	
154	1-828-981-51	WIRE (FLAT TYPE) (15 CORE)	
157	1-693-676-11	TUNER	
204	1-828-337-51	WIRE (FLAT TYPE) (15 CORE)	
254	1-500-824-11	FERRITE CORE	
⚠F01	1-532-504-33	FUSE (T4.0AL/250V)	
⚠F02	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
⚠F1403	1-532-504-33	FUSE (T4.0AL/250V)	
⚠F1404	1-532-504-33	FUSE (T4.0AL/250V)	
⚠F1405	1-532-506-33	FUSE (T6.3AL/250V)	
⚠J01	1-820-651-11	INLET, AC 2P (~ AC IN)	
Q1507	8-729-051-92	TRANSISTOR	2SD2560
Q1508	8-729-051-93	TRANSISTOR	2SB1647
Q1521	8-729-026-08	TRANSISTOR	2SC4495
Q1557	8-729-051-92	TRANSISTOR	2SD2560
Q1558	8-729-051-93	TRANSISTOR	2SB1647
Q1571	8-729-026-08	TRANSISTOR	2SC4495
Q1607	8-729-051-92	TRANSISTOR	2SD2560
Q1608	8-729-051-93	TRANSISTOR	2SB1647
Q1621	8-729-026-08	TRANSISTOR	2SC4495
Q1707	8-729-051-92	TRANSISTOR	2SD2560
Q1708	8-729-051-93	TRANSISTOR	2SB1647

Ref. No.	Part No.	Description		Remark
Q1721	8-729-026-08	TRANSISTOR	2SC4495	
Q1757	8-729-051-92	TRANSISTOR	2SD2560	
Q1758	8-729-051-93	TRANSISTOR	2SB1647	
Q1771	8-729-026-08	TRANSISTOR	2SC4495	
Q1807	8-729-051-92	TRANSISTOR	2SD2560	
Q1808	8-729-051-93	TRANSISTOR	2SB1647	
Q1821	8-729-026-08	TRANSISTOR	2SC4495	
Q1857	8-729-051-92	TRANSISTOR	2SD2560	
Q1858	8-729-051-93	TRANSISTOR	2SB1647	
Q1871	8-729-026-08	TRANSISTOR	2SC4495	
⚠T01	1-445-044-11	TRANSFORMER, POWER		

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ACCESSORIES
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	1-474-025-11	REMOTE COMMANDER (RM-AAP015)
	1-501-374-12	ANTENNA, LOOP (AM loop antenna)
	1-501-594-14	ANTENNA (FM) (FM wire antenna)
	1-542-670-11	MEASUREMENT MIC (MONO) (Optimizer microphone: ECM-AC2)
⚠	1-820-797-11	ADAPTOR, CONVERSION (EURO ECU 6) (UK)
⚠	1-831-474-11	CORD, POWER (AC power cord)
	2-694-840-11	MANUAL, INSTRUCTION (ENGLISH)
	2-694-840-21	MANUAL, INSTRUCTION (FRENCH, SPANISH) (AEP)
	2-694-840-31	MANUAL, INSTRUCTION (GERMAN, DUTCH, ITALIAN) (AEP)
	2-694-840-41	MANUAL, INSTRUCTION (SWEDISH, POLISH) (AEP)
	2-694-840-51	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)
	2-694-840-61	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)
	2-694-840-71	MANUAL, INSTRUCTION (RUSSIAN) (AEP)
	2-699-546-11	MANUAL, INSTRUCTION (GREEK) (AEP)
	2-699-546-21	MANUAL, INSTRUCTION (HUNGARIAN, CZECH) (AEP)
	2-699-546-31	MANUAL, INSTRUCTION (TURKISH) (AEP)
	2-699-546-41	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)
	3-302-708-11	COVER, CONNECTOR (for pin jack of rear panel)